

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.

**THIS PAGE BLANK (USPTO)**

GenCore version 5.1.3  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: January 15, 2003, 17:24:17 : Search time 8.5 seconds

(without alignments)  
724.981 Million cell updates/sec

Title: US-09-524-531c-13

Perfect score: 1633

Sequence: 1 MALSRRLRLRYARLPHFL.....VNIIRTSSEGDPRHKSFVI 310

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 120991 seqs, 19878514 residues 120991

11 number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published\_Applications\_AA:\*  
1: /cgn2\_6/ptodata/1/pubpaa/US08\_NEM\_PUB pep:\*  
2: /cgn2\_6/ptodata/1/pubpaa/PCIT\_NEM\_PUB pep:\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEM\_PUB pep:\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB pep:\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEM\_PUB pep:\*  
6: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB pep:\*  
7: /cgn2\_6/ptodata/1/pubpaa/PCITUS\_PUBCOMB pep:\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB pep:\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09\_NEM\_PUB pep:\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB pep:\*  
11: /cgn2\_6/ptodata/1/pubpaa/US10\_NEM\_PUB pep:\*  
12: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB pep:\*  
13: /cgn2\_6/ptodata/1/pubpaa/US60\_NEM\_PUB pep:\*  
14: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1409	86.3	310	US-09-905-291A-423	Sequence 423, App
2	1409	86.3	310	US-10-033-245-20	Sequence 20, App
3	1409	86.3	310	US-10-033-223-20	Sequence 20, App
4	1409	86.3	310	US-10-033-167-20	Sequence 20, App
5	1409	86.3	310	US-09-902-853-423	Sequence 423, App
6	1409	86.3	310	US-10-033-244-20	Sequence 20, App
7	1409	86.3	310	US-09-907-824-423	Sequence 423, App
8	1409	86.3	310	US-09-907-841-423	Sequence 423, App
9	1409	86.3	310	US-09-904-011-423	Sequence 423, App
10	1409	86.3	310	US-10-028-072-538	Sequence 538, App
11	1409	86.3	310	US-09-909-320-423	Sequence 423, App
12	1409	86.3	310	US-09-909-088B-423	Sequence 423, App
13	1409	86.3	310	US-10-033-246-20	Sequence 20, App
14	1409	86.3	310	US-10-033-301-20	Sequence 20, App
15	1409	86.3	310	US-10-033-326-20	Sequence 20, App
16	505	30.9	298	US-09-743-763-38	Sequence 38, App
17	505	30.9	298	US-09-799-777-30	Sequence 30, App
18	498	30.5	298	US-09-852-797-76	Sequence 76, App
19	498	30.5	298	US-09-853-161-76	Sequence 76, App

20	498	30.5	298	10	US-09-852-659A-76	Sequence 76, App
21	478	29.3	312	9	US-09-905-291A-64	Sequence 64, App
22	478	29.3	312	9	US-09-953-499-9	Sequence 9, App
23	478	29.3	312	9	US-09-902-853-64	Sequence 64, App
24	478	29.3	312	9	US-09-907-824-64	Sequence 64, App
25	478	29.3	312	9	US-09-907-841-64	Sequence 64, App
26	478	29.3	312	9	US-09-904-011-64	Sequence 64, App
27	478	29.3	312	9	US-10-028-072-336	Sequence 336, App
28	478	29.3	312	10	US-09-909-320-64	Sequence 64, App
29	478	29.3	312	10	US-09-909-088B-64	Sequence 64, App
30	449.5	27.5	300	9	US-09-953-499-10	Sequence 10, App
31	415	25.4	299	9	US-09-905-291A-119	Sequence 119, App
32	415	25.4	299	9	US-10-066-500-91	Sequence 91, App
33	415	25.4	299	9	US-09-953-499-1	Sequence 1, App
34	415	25.4	299	9	US-09-902-853-119	Sequence 119, App
35	415	25.4	299	9	US-09-907-824-119	Sequence 119, App
36	415	25.4	299	9	US-09-907-841-119	Sequence 119, App
37	415	25.4	299	9	US-09-904-011-119	Sequence 119, App
38	415	25.4	299	9	US-10-028-072-366	Sequence 366, App
39	415	25.4	299	10	US-09-799-777-51	Sequence 51, App
40	415	25.4	299	10	US-09-909-320-119	Sequence 119, App
41	415	25.4	299	10	US-09-909-088B-119	Sequence 119, App
42	403	24.7	301	10	US-09-764-853-540	Sequence 540, App
43	381.5	23.4	260	9	US-09-953-499-23	Sequence 23, App
44	381.5	23.4	263	9	US-09-953-499-25	Sequence 25, App
45	242.5	14.8	319	9	US-09-981-353-65	Sequence 65, App

#### ALIGNMENTS

RESULT 1  
US-09-905-291A-423  
Sequence 423, Application US/09905291A  
Patent No. US20020160374A1  
GENERAL INFORMATION:  
APPLICANT: Genentech, Inc.  
APPLICANT: Ashkenazi, Avi  
APPLICANT: Bostein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Fong, Sherman  
APPLICANT: Geo, Wei-Qiang  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, A.  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Hillan, Kenneth, J.  
APPLICANT: Kijavlin, Ivar J.  
APPLICANT: Mather, Jennie P.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: 10466-14  
CURRENT APPLICATION NUMBER: US/09/905,291A  
CURRENT FILING DATE: 2001-07-12  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: US 60/143,048  
PRIOR FILING DATE: 1999-07-07  
PRIOR APPLICATION NUMBER: US 60/145,698  
PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: US 60/146,222

```

: PRIOR FILING DATE: 1999-07-28
: PRIOR APPLICATION NUMBER: PCT/US99/20594
: PRIOR FILING DATE: 1999-09-08
: PRIOR APPLICATION NUMBER: PCT/US99/20944
: PRIOR FILING DATE: 1999-09-13
: PRIOR APPLICATION NUMBER: PCT/US99/21090
: PRIOR FILING DATE: 1999-09-15
: PRIOR APPLICATION NUMBER: PCT/US99/21547
: PRIOR FILING DATE: 1999-09-15
: PRIOR APPLICATION NUMBER: PCT/US99/23089
: PRIOR FILING DATE: 1999-10-05
: PRIOR APPLICATION NUMBER: PCT/US99/28214
: PRIOR FILING DATE: 1999-11-29
: PRIOR APPLICATION NUMBER: PCT/US99/28313
: PRIOR FILING DATE: 1999-11-30
: PRIOR APPLICATION NUMBER: PCT/US99/28564
: PRIOR FILING DATE: 1999-12-02
: PRIOR APPLICATION NUMBER: PCT/US99/28565
: PRIOR FILING DATE: 1999-12-02
: PRIOR APPLICATION NUMBER: PCT/US99/30095
: PRIOR FILING DATE: 1999-12-16
: PRIOR APPLICATION NUMBER: PCT/US99/30911
: PRIOR FILING DATE: 1999-12-20
: PRIOR APPLICATION NUMBER: PCT/US99/30999
: PRIOR FILING DATE: 1999-12-20
: PRIOR APPLICATION NUMBER: PCT/US00/00219
: PRIOR FILING DATE: 2000-01-05
: NUMBER OF SEQ ID NOS: 423
: SEQ ID NO 423
: LENGTH: 310
: TYPE: PRT
: ORGANISM: Homo Sapien
US-09-905-291A-423

```

	Query Match	86.3%	Score 1409;	DB 9;	length 310;	
	Best Local Similarity	85.8%;	Pred. No.2.5e-89;			
	Matches 266;	Conservative 18;	Mismatches 26;	Indels 0;	Gaps 0;	
Qy	1	MALSRRLRLRLYLARLPHRFELLRLFRGCMIEAVNLKSSNNRPVHFEFSEVELSCIIYHSQT	60			
Db	1	MALRRPRLRLCARLPDFELLRLFRGCLLGAIVNLKSSNNTPVQGFSEVELSCIIITDSQT	60			
Qy	61	SDPRLKMKIKODGQITYYIYFDNKTIOGDLAGRPDYFGKYSLRIMWNTRSDSALRYCEVAL	120			
Db	61	SDPRLKMKIKODEQTYTFYFDNKTIOGDLAGRAELIKGKTSLKIMWNTRRSDSALRYCEVAR	120			
Qy	121	NDKRKVDLITLILYQVAPVMPVCRIPAAVPAVGKATATIQCCSESGYPRHYSGWYRNDVPL	180			
I	121	NDKRKVIDLITLILYQVAPVMPVCRIPAAVPAVGKATATIQCCSESGYPRHYSGWYRNDVPL	180			
Qy	181	PTDSKANRPFQNSSEFHVASETGLVFENAVHKDKDSQCYCIASNDAGAARCEGQDMEVYDL	240			
Db	181	PTDSKANRPFQNSSEFHVASETGLVFENAVHKDKDSQCYCIASNDAGSARCEGQDMEVYDL	240			
Qy	241	NIAGIIGVAVLVLLAVITMGICCAVRRGCFISSKODGESYKSPGKHGDNVYIRTSSEBG	300			
Db	241	NIGGIIGVAVLVLLAVLITLGICCAVRRGYFINNKQGESYKKNPGKPDGVNYYIRTDSEG	300			
Qy	301	DFRRKSSFVI 310				
Db	301	DFRRKSSFVI 310				

RESULT 2  
US-10-033-245-20

```

: Patent No. US20020160392A1
:
: GENERAL INFORMATION:
:
: APPLICANT: Botstein, David
:
: APPLICANT: Desnoyers, Luc
:
: APPLICANT: Ferrara, Napoleone
:
: APPLICANT: Fong, Sherman
:
: APPLICANT: Gao, Wei-Qiang

```

```

1 APPLICANT: Goddard, Audrey
2 APPLICANT: Gurney, Austlin L.
3 APPLICANT: Pan, James
4 APPLICANT: Roy, Margaret Ann
5 APPLICANT: Stewart, Timothy A.
6 APPLICANT: Tumas, Daniel
7 APPLICANT: Matanabe, Colin K.
8 APPLICANT: Wood, William I.
9 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
10 FILE REFERENCE: P2930R1C7
11 CURRENT APPLICATION NUMBER: US/10/033,245
12 CURRENT FILING DATE: 2001-12-27
13 PRIOR APPLICATION NUMBER: 60/095,325
14 PRIOR FILING DATE: 1998-08-04
15 PRIOR APPLICATION NUMBER: 60/112,851
16 PRIOR FILING DATE: 1998-12-16
17 PRIOR APPLICATION NUMBER: 60/113,145
18 PRIOR FILING DATE: 1998-12-16
19 PRIOR APPLICATION NUMBER: 60/113,511
20 PRIOR FILING DATE: 1998-12-22
21 PRIOR APPLICATION NUMBER: 60/115,558
22 PRIOR FILING DATE: 1999-01-12
23 PRIOR APPLICATION NUMBER: 60/115,565
24 PRIOR FILING DATE: 1999-01-12
25 PRIOR APPLICATION NUMBER: 60/115,733
26 PRIOR FILING DATE: 1999-01-12
27 PRIOR APPLICATION NUMBER: 60/119,341
28 PRIOR FILING DATE: 1999-02-09
29 PRIOR APPLICATION NUMBER: 60/119,537
30 PRIOR FILING DATE: 1999-02-10
31 PRIOR APPLICATION NUMBER: 60/119,965
32 PRIOR FILING DATE: 1999-02-12
33 PRIOR APPLICATION NUMBER: 60/162,506
34 PRIOR FILING DATE: 1999-10-29
35 PRIOR APPLICATION NUMBER: 60/170,262
36 PRIOR FILING DATE: 1999-12-09
37 PRIOR APPLICATION NUMBER: 60/187,202
38 PRIOR FILING DATE: 2000-03-03
39 PRIOR APPLICATION NUMBER: PCT/US99/12252
40 PRIOR FILING DATE: 1999-06-02
41 PRIOR APPLICATION NUMBER: PCT/US99/28634
42 PRIOR FILING DATE: 1999-12-01
43 PRIOR APPLICATION NUMBER: PCT/US99/28551
44 PRIOR FILING DATE: 1999-12-02
45 PRIOR APPLICATION NUMBER: PCT/US00/03565
46 PRIOR FILING DATE: 2000-02-11
47 PRIOR APPLICATION NUMBER: PCT/US00/04414
48 PRIOR FILING DATE: 2000-02-22
49 PRIOR APPLICATION NUMBER: PCT/US00/05841
50 PRIOR FILING DATE: 2000-03-02
51 PRIOR APPLICATION NUMBER: PCT/US00/08439
52 PRIOR FILING DATE: 2000-03-30
53 PRIOR APPLICATION NUMBER: PCT/US00/14941
54 PRIOR FILING DATE: 2000-05-30
55 PRIOR APPLICATION NUMBER: PCT/US00/15264
56 PRIOR FILING DATE: 2000-06-02
57 PRIOR APPLICATION NUMBER: PCT/US00/32678
58 PRIOR FILING DATE: 2000-12-01
59 NUMBER OF SEQ ID NOS: 38
60 SEQ ID NO 20
61 LENGTH: 310
62 TYPE: PRT
63 ORGANISM: Homo sapiens
64 US-10-033-245-20

```

Query Match	85.3%	Score 1409	DB 9	Length 310
Best Local Similarity	85.8%	Pred. No. 2.5e-89		
Matches 266	Conservative 18	Mismatches 26	Indels 0	Gaps 0

QY 1 MALSRLRLRYARLPHEFLLLFRGCMIEAVNLKSGNRNPVWHEFESVELSCIITHSQT 600  
||| ||| ||| ||| ||| ||| : ||| ||| ||| ||| ||| ||| ||| |||  
Db 1 MALRRPRRLRCARLPDFEFLLLFRGCCLIGAVNKLSSNRTPVQOEFESVELSCIITDSQT 600

QY 61 SDRPRLKRLIYVAVLPHFLLLFRGCMTEAVNLKSNRPVNHRESEVLSCTIHSOT 60  
DB 61 SDRPRLKRLIYVAVLPHFLLLFRGCMTEAVNLKSNRPVNHRESEVLSCTIHSOT 60  
QY 121 NDRKEVDTEITIELIYOVKRVTPYCRIPAAVPGKATLLOCQSESEGPYPHYSVYRNDVPL 180  
DB 121 NDRKEVDTEITIELIYOVKRVTPYCRIPAAVPGKATLLOCQSESEGPYPHYSVYRNDVPL 180  
QY 181 PDSRANPFRNSSFHNSFSETGLVFTAVHKDSDGQYCIASNDAGSARCEQDMEVYDL 240  
DB 181 PDSRANPFRNSSFHNSFSETGLVFTAVHKDSDGQYCIASNDAGSARCEQDMEVYDL 240  
QY 241 NIGGIIGVLLVAVLAVITMGICCAVRRGCFISSKQDESYKSPKHGVNVIIRTSEEG 300  
DB 241 NIGGIIGVLLVAVLAVITMGICCAVRRGCFISSKQDESYKSPKHGVNVIIRTSEEG 300  
QY 301 DFRHKSFEVI 310  
DB 301 DFRHKSFEVI 310

RESULT 3  
US-10-033-223-20  
Sequence 20, Application US/10033223  
Patent No. US20020164646A1  
GENERAL INFORMATION:  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Goddard, Audrey  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2930R1C9  
CURRENT APPLICATION NUMBER: US/10/033,223  
CURRENT FILING DATE: 2001-12-27  
PRIOR APPLICATION NUMBER: 60/095,325  
PRIOR FILING DATE: 1998-08-04  
PRIOR APPLICATION NUMBER: 60/112,851  
PRIOR FILING DATE: 1998-12-16  
PRIOR APPLICATION NUMBER: 60/113,145  
PRIOR FILING DATE: 1998-12-16  
PRIOR APPLICATION NUMBER: 60/113,511  
PRIOR FILING DATE: 1998-12-22  
PRIOR APPLICATION NUMBER: 60/115,558  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/115,565  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/115,733  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/119,341  
PRIOR FILING DATE: 1999-02-09  
PRIOR APPLICATION NUMBER: 60/119,537  
PRIOR FILING DATE: 1999-02-10  
PRIOR APPLICATION NUMBER: 60/119,965  
PRIOR FILING DATE: 1999-02-12  
PRIOR APPLICATION NUMBER: 60/162,506  
PRIOR FILING DATE: 1999-10-29  
PRIOR APPLICATION NUMBER: 60/170,262  
PRIOR FILING DATE: 1999-12-09  
PRIOR APPLICATION NUMBER: 60/187,202  
PRIOR FILING DATE: 2000-03-03  
PRIOR APPLICATION NUMBER: PCT/US99/12252  
PRIOR FILING DATE: 1999-06-02

PRIOR APPLICATION NUMBER: PCT/US99/28634  
PRIOR FILING DATE: 1999-12-01  
PRIOR APPLICATION NUMBER: PCT/US99/28551  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US00/03565  
PRIOR FILING DATE: 2000-02-11  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: PCT/US00/05841  
PRIOR FILING DATE: 2000-03-02  
PRIOR APPLICATION NUMBER: PCT/US00/08439  
PRIOR FILING DATE: 2000-03-30  
PRIOR APPLICATION NUMBER: PCT/US00/14941  
PRIOR FILING DATE: 2000-05-30  
PRIOR APPLICATION NUMBER: PCT/US00/15264  
PRIOR FILING DATE: 2000-06-02  
PRIOR APPLICATION NUMBER: PCT/US00/32678  
PRIOR FILING DATE: 2000-12-01  
NUMBER OF SEQ ID NOS: 38  
SEQ ID NO 20  
LENGTH: 310  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-033-223-20

Query Match 86.3%; Score 1409; DB 9; Length 310;  
Best Local Similarity 85.8%; Pred. No. 2, 5e-89;  
Matches 266; Conservative 18; Mismatches 26; Indels 0; Gaps 0;

QY 1 MALSRLRLIYVAVLPHFLLLFRGCMTEAVNLKSNRPVNHRESEVLSCTIHSOT 60  
DB 1 MALSRLRLIYVAVLPHFLLLFRGCMTEAVNLKSNRPVNHRESEVLSCTIHSOT 60  
QY 61 SDRPRLKRLIYVAVLPHFLLLFRGCMTEAVNLKSNRPVNHRESEVLSCTIHSOT 120  
DB 61 SDRPRLKRLIYVAVLPHFLLLFRGCMTEAVNLKSNRPVNHRESEVLSCTIHSOT 120  
QY 121 NDRKEVDTEITIELIYOVKRVTPYCRIPAAVPGKATLLOCQSESEGPYPHYSVYRNDVPL 180  
DB 121 NDRKEVDTEITIELIYOVKRVTPYCRIPAAVPGKATLLOCQSESEGPYPHYSVYRNDVPL 180  
QY 181 PDSRANPFRNSSFHNSFSETGLVFTAVHKDSDGQYCIASNDAGSARCEQDMEVYDL 240  
DB 181 PDSRANPFRNSSFHNSFSETGLVFTAVHKDSDGQYCIASNDAGSARCEQDMEVYDL 240  
QY 241 NIGGIIGVLLVAVLAVITMGICCAVRRGCFISSKQDESYKSPKHGVNVIIRTSEEG 300  
DB 241 NIGGIIGVLLVAVLAVITMGICCAVRRGCFISSKQDESYKSPKHGVNVIIRTSEEG 300  
QY 301 DFRHKSFEVI 310  
DB 301 DFRHKSFEVI 310

RESULT 4  
US-10-033-167-20  
Sequence 20, Application US/10033167  
Patent No. US20020182618A1  
GENERAL INFORMATION:  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Goddard, Audrey  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2930R1C10  
CURRENT APPLICATION NUMBER: US/10/033.167  
CURRENT FILING DATE: 2001-12-27  
PRIOR APPLICATION NUMBER: 60/095,325  
PRIOR FILING DATE: 1998-08-04  
PRIOR APPLICATION NUMBER: 60/112,851  
PRIOR FILING DATE: 1998-12-16  
PRIOR APPLICATION NUMBER: 60/113,145  
PRIOR FILING DATE: 1998-12-16  
PRIOR APPLICATION NUMBER: 60/113,511  
PRIOR FILING DATE: 1998-12-22  
PRIOR APPLICATION NUMBER: 60/115,558  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/115,565  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/115,733  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/119,341  
PRIOR FILING DATE: 1999-02-09  
PRIOR APPLICATION NUMBER: 60/119,537  
PRIOR FILING DATE: 1999-02-10  
PRIOR APPLICATION NUMBER: 60/119,965  
PRIOR FILING DATE: 1999-02-12  
PRIOR APPLICATION NUMBER: 60/162,506  
PRIOR FILING DATE: 1999-10-29  
PRIOR APPLICATION NUMBER: 60/170,262  
PRIOR FILING DATE: 1999-12-09  
PRIOR APPLICATION NUMBER: 60/187,202  
PRIOR FILING DATE: 2000-03-03  
PRIOR APPLICATION NUMBER: PCT/US99/12252  
PRIOR FILING DATE: 1999-06-02  
PRIOR APPLICATION NUMBER: PCT/US99/28634  
PRIOR FILING DATE: 1999-12-01  
PRIOR APPLICATION NUMBER: PCT/US99/28551  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US00/03565  
PRIOR FILING DATE: 2000-02-11  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: PCT/US00/05841  
PRIOR FILING DATE: 2000-03-02  
PRIOR APPLICATION NUMBER: PCT/US00/08439  
PRIOR FILING DATE: 2000-03-30  
PRIOR APPLICATION NUMBER: PCT/US00/14941  
PRIOR FILING DATE: 2000-05-30  
PRIOR APPLICATION NUMBER: PCT/US00/15264  
PRIOR FILING DATE: 2000-06-02  
PRIOR APPLICATION NUMBER: PCT/US00/32678  
NUMBER OF SEQ ID NOS: 38  
SEQ ID NO 20  
LENGTH: 310  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-033-167-20

Query Match 86.3%, Score 1409; DB 9; Length 310;  
Best Local Similarity 85.8%, Pred. No. 2,5e+89;  
Matches 266; Conservative 18; Mismatches 26; Indels 0; Gaps 0;

QY 1 MALSRRLRYARLPHPFLLLFRGCMIEAVNLKSSNNRPVHFESEVLSCTITHSOT 60  
DB 1 MALRRPPLRLCARLPDFLLFRGCLLGAVNLKSSNRTPVVQFESEVLSCTITHSOT 60  
QY 61 SDPRLEWKIKDQGTYYVYFDNKKIGDLAGRTDVGKTSRLRMWYTRSDSAIYRCEVVAL 120  
DB 61 SDPRLEWKIKDQGTYYVYFDNKKIGDLAGRAELTGKTSRLKIMWYTRSDSAIYRCEVVAL 120  
QY 121 NDRKEVDEITIELLYQVQRPVTPVCRIPAAYPVGKTAITLQCCSEGYPRPHYSWYRNDVPL 180  
DB 121 NDRKEIDIEIVIELTVQVQRPVTPVCRIPAAYPVGKMATILHCCSEGHPRPHYSWYRNDVPL 180

QY 181 PTDSRANRPFONSPFHVNSEGTGFVFNVAHKDDSGOYYCIASNDGAARCEGQDEMYDL 240  
DB 181 PTDSRANRPFONSPFHVNSEGTGFVFNVAHKDDSGOYYCIASNDGAARCEGQDEMYDL 240  
QY 241 NAGIIGVVLVLYAVITMGICAYRRCGFISKQDESYKSPGKHGWNVYITFSEEG 300  
DB 241 NAGIIGVVLVLYAVITMGICAYRRCGFISKQDESYKSPGKHGWNVYITFSEEG 300  
QY 301 DFRHKSFPYI 310  
DB 301 DFRHKSFPYI 310

RESULT 5  
US-09-902-853-423  
Sequence 423, Application US/09902853  
Publication No. US20020192659A1  
GENERAL INFORMATION:  
APPLICANT: Genentech, Inc.  
APPLICANT: Ashkenazi, Avi  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gertsen, Mary E.  
APPLICANT: Goddard, A.  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Hillan, Kenneth, J.  
APPLICANT: Kijavlin, Ivar J.  
APPLICANT: Mather, Jennie P.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William, I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: 10466-14  
CURRENT APPLICATION NUMBER: US/09/902,853  
CURRENT FILING DATE: 2001-07-10  
PRIOR APPLICATION NUMBER: US/09/665,350  
PRIOR FILING DATE: 2000-09-18  
PRIOR APPLICATION NUMBER: US 60/143,048  
PRIOR FILING DATE: 1999-07-07  
PRIOR APPLICATION NUMBER: US 60/145,698  
PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: US 60/146,222  
PRIOR FILING DATE: 1999-07-28  
PRIOR APPLICATION NUMBER: PCT/US99/20594  
PRIOR FILING DATE: 1999-09-08  
PRIOR APPLICATION NUMBER: PCT/US99/20944  
PRIOR FILING DATE: 1999-09-13  
PRIOR APPLICATION NUMBER: PCT/US99/21090  
PRIOR FILING DATE: 1999-09-15  
PRIOR APPLICATION NUMBER: PCT/US99/21547  
PRIOR FILING DATE: 1999-09-15  
PRIOR APPLICATION NUMBER: PCT/US99/23089  
PRIOR FILING DATE: 1999-10-05  
PRIOR APPLICATION NUMBER: PCT/US99/28214  
PRIOR FILING DATE: 1999-11-29  
PRIOR APPLICATION NUMBER: PCT/US99/28313  
PRIOR FILING DATE: 1999-11-30  
PRIOR APPLICATION NUMBER: PCT/US99/28564  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/28565

```

: PRIOR FILING DATE: 1999-12-02
: PRIOR APPLICATION NUMBER: PCT/US99/30095
: PRIOR FILING DATE: 1999-12-16
: PRIOR APPLICATION NUMBER: PCT/US99/30911
: PRIOR FILING DATE: 1999-12-20
: PRIOR APPLICATION NUMBER: PCT/US99/30999
: PRIOR FILING DATE: 1999-12-20
: PRIOR APPLICATION NUMBER: PCT/US00/00219
: PRIOR FILING DATE: 2000-01-05
: NUMBER OF SEQ ID NOS: 423
: SEQ ID NO: 423
: LENGTH: 310
: TYPE: PRT
: ORGANISM: Homo Sapien
US-09-902-853-423

Query Match      86.3%; Score 1409; DB 9; Length 310;
Best Local Similarity 85.8%; Pred. No. 2.5e-89;
Matches 266; Conservative 18; Mismatches 26; Indels 0; Gaps 0;

1 MALSRRLRLYLARLPHEFLLLFRGCMTEAVNLKSSNRPVHFESEVELSCIITHSQT 60
1 MALRRPRLRLCARLPDFLLLFRCGLGAVNLKSSNRPVQEFSEVELSCIITHDSQT 60
QY 61 SDPRIEMKKIQDQOTTYVYFDNKKIOGDLAARTDVFEGKTSLRIMNTRSDSAIYRCEVAL 120
DB 61 SDPRIEMKKIQDQOTTYVYFDNKKIOGDLAARTDVFEGKTSLRIMNTRSDSAIYRCEVAL 120
QY 121 NDRKEVDEITIELIVQVKRVPVPCRIPAAPVPGKATATLQCOSEGYPRPHYSMYRNDVPL 180
DB 121 NDRKEVDEITIELIVQVKRVPVPCRIPAAPVPGKATATLQCOSEGYPRPHYSMYRNDVPL 180
QY 181 PTDSRANPRFONSSPHVNSEGTIVFNNAVHKDQSGCYCIAINDAGAACQEGDMEVYDL 240
DB 181 PTDSRANPRFONSSPHVNSEGTIVFNNAVHKDQSGCYCIAINDAGAACQEGDMEVYDL 240
QY 241 NIAGIIGVLYLVLYAVITMGICCAVYRGCFISSKQDESKYSPGKHGVNVIYRTSEEG 300
DB 241 NIAGIIGVLYLVLYAVITMGICCAVYRGCFISSKQDESKYSPGKHGVNVIYRTSEEG 300
QY 301 DFRHKSFPVI 310
DB 301 DFRHKSFPVI 310

RESULT 6
US-10-033-244-20
Sequence 20, Application US/10033244
Publication No. US20020192668A1
GENERAL INFORMATION:
: APPLICANT: Botstein, David
: APPLICANT: Desnoyers, Luc
: APPLICANT: Ferrara, Napoleone
: APPLICANT: Fong, Sherman
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Goddard, Audrey
: APPLICANT: Gurney, Austin L.
: APPLICANT: Pan, James
: APPLICANT: Roy, Margaret Ann
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Watanabe, Colin K.
: APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2930R1C2
CURRENT FILING DATE: 2001-12-27
PRIOR APPLICATION NUMBER: US/10/033,244
PRIOR FILING DATE: 1998-08-04
PRIOR APPLICATION NUMBER: 60/112,851
PRIOR FILING DATE: 1998-12-16
PRIOR APPLICATION NUMBER: 60/113,145
```

```

: PRIOR FILING DATE: 1998-12-16
: PRIOR APPLICATION NUMBER: 60/113,511
: PRIOR FILING DATE: 1998-12-22
: PRIOR APPLICATION NUMBER: 60/115,558
: PRIOR FILING DATE: 1999-01-12
: PRIOR APPLICATION NUMBER: 60/115,565
: PRIOR FILING DATE: 1999-01-12
: PRIOR APPLICATION NUMBER: 60/115,733
: PRIOR FILING DATE: 1999-01-12
: PRIOR APPLICATION NUMBER: 60/119,341
: PRIOR FILING DATE: 1999-02-09
: PRIOR APPLICATION NUMBER: 60/119,537
: PRIOR FILING DATE: 1999-02-10
: PRIOR APPLICATION NUMBER: 60/119,965
: PRIOR FILING DATE: 1999-02-12
: PRIOR APPLICATION NUMBER: 60/162,506
: PRIOR FILING DATE: 1999-10-29
: PRIOR APPLICATION NUMBER: 60/170,262
: PRIOR FILING DATE: 1999-12-09
: PRIOR APPLICATION NUMBER: 60/187,202
: PRIOR FILING DATE: 2000-03-03
: PRIOR APPLICATION NUMBER: PCT/US99/12252
: PRIOR FILING DATE: 1999-06-02
: PRIOR APPLICATION NUMBER: PCT/US99/28634
: PRIOR FILING DATE: 1999-12-01
: PRIOR APPLICATION NUMBER: PCT/US99/28551
: PRIOR FILING DATE: 1999-12-02
: PRIOR APPLICATION NUMBER: PCT/US00/03565
: PRIOR FILING DATE: 2000-02-11
: PRIOR APPLICATION NUMBER: PCT/US00/04414
: PRIOR FILING DATE: 2000-02-22
: PRIOR APPLICATION NUMBER: PCT/US00/05841
: PRIOR FILING DATE: 2000-03-02
: PRIOR APPLICATION NUMBER: PCT/US00/08439
: PRIOR FILING DATE: 2000-03-30
: PRIOR APPLICATION NUMBER: PCT/US00/14941
: PRIOR FILING DATE: 2000-05-30
: PRIOR APPLICATION NUMBER: PCT/US00/15264
: PRIOR FILING DATE: 2000-06-02
: PRIOR APPLICATION NUMBER: PCT/US00/32678
: PRIOR FILING DATE: 2000-12-01
: NUMBER OF SEQ ID NOS: 38
: SEQ ID NO: 20
: LENGTH: 310
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-033-244-20

Query Match      86.3%; Score 1409; DB 9; Length 310;
Best Local Similarity 85.8%; Pred. No. 2.5e-89;
Matches 266; Conservative 18; Mismatches 26; Indels 0; Gaps 0;

QY 1 MALSRRLRLYLARLPHEFLLLFRGCMTEAVNLKSSNRPVHFESEVELSCIITHSQT 60
DB 1 MALRRPRLRLCARLPDFLLLFRCGLGAVNLKSSNRPVQEFSEVELSCIITHDSQT 60
QY 61 SDPRIEMKKIQDQOTTYVYFDNKKIOGDLAARTDVFEGKTSLRIMNTRSDSAIYRCEVAL 120
DB 61 SDPRIEMKKIQDQOTTYVYFDNKKIOGDLAARTDVFEGKTSLRIMNTRSDSAIYRCEVAL 120
QY 121 NDRKEVDEITIELIVQVKRVPVPCRIPAAPVPGKATATLQCOSEGYPRPHYSMYRNDVPL 180
DB 121 NDRKEVDEITIELIVQVKRVPVPCRIPAAPVPGKATATLQCOSEGYPRPHYSMYRNDVPL 180
QY 181 PTDSRANPRFONSSPHVNSEGTIVFNNAVHKDQSGCYCIAINDAGAACQEGDMEVYDL 240
DB 181 PTDSRANPRFONSSPHVNSEGTIVFNNAVHKDQSGCYCIAINDAGAACQEGDMEVYDL 240
QY 241 NIAGIIGVLYLVLYAVITMGICCAVYRGCFISSKQDESKYSPGKHGVNVIYRTSEEG 300
DB 241 NIAGIIGVLYLVLYAVITMGICCAVYRGCFISSKQDESKYSPGKHGVNVIYRTSEEG 300
QY 301 DFRHKSFPVI 310
```

Db 301 DFRHKSFEVI 310

RESULT 7

US-09-907-824-423  
; Sequence 423, Application US/09907824  
; Publication No. US20020197671A1  
; GENERAL INFORMATION:  
; APPLICANT: Genentech, Inc.  
; APPLICANT: Ashkenazi, Avi  
; APPLICANT: Bolstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gertsens, Mary E.  
; APPLICANT: Goddard, A.  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillan, Kenneth, J.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Mather, Jennie P.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William, I.  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: 10466-14  
; CURRENT FILING DATE: 2001-07-17  
; PRIOR APPLICATION NUMBER: US/09/907,824  
; PRIOR FILING DATE: 2000-09-18  
; PRIOR APPLICATION NUMBER: PCT/US00/04414  
; PRIOR FILING DATE: 2000-02-22  
; PRIOR APPLICATION NUMBER: US 60/143,048  
; PRIOR FILING DATE: 1999-07-07  
; PRIOR APPLICATION NUMBER: US 60/145,698  
; PRIOR FILING DATE: 1999-07-26  
; PRIOR APPLICATION NUMBER: US 60/146,222  
; PRIOR FILING DATE: 1999-07-28  
; PRIOR APPLICATION NUMBER: PCT/US99/20594  
; PRIOR FILING DATE: 1999-09-08  
; PRIOR APPLICATION NUMBER: PCT/US99/20944  
; PRIOR FILING DATE: 1999-09-13  
; PRIOR APPLICATION NUMBER: PCT/US99/21090  
; PRIOR FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: PCT/US99/21547  
; PRIOR FILING DATE: 1999-09-15  
; PRIOR APPLICATION NUMBER: PCT/US99/23089  
; PRIOR FILING DATE: 1999-10-05  
; PRIOR APPLICATION NUMBER: PCT/US99/28214  
; PRIOR FILING DATE: 1999-11-29  
; PRIOR APPLICATION NUMBER: PCT/US99/28313  
; PRIOR FILING DATE: 1999-11-30  
; PRIOR APPLICATION NUMBER: PCT/US99/28564  
; PRIOR FILING DATE: 1999-12-02  
; PRIOR APPLICATION NUMBER: PCT/US99/28565  
; PRIOR FILING DATE: 1999-12-02  
; PRIOR APPLICATION NUMBER: PCT/US99/30095  
; PRIOR FILING DATE: 1999-12-16  
; PRIOR APPLICATION NUMBER: PCT/US99/30911  
; PRIOR FILING DATE: 1999-12-20  
; PRIOR APPLICATION NUMBER: PCT/US99/30999  
; PRIOR FILING DATE: 1999-12-20

; PRIOR APPLICATION NUMBER: PCT/US00/00219  
; PRIOR FILING DATE: 2000-01-05  
; NUMBER OF SEQ ID NOS: 423  
; SEQ ID NO 423  
; LENGTH: 310  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-09-907-824-423

Query Match 86.3%, Score 1409, DB 9, Length 310;  
Best Local Similarity 85.8%, Pred. No. 2,5e-89;  
Matches 266, Conservative 18, Mismatches 26, Indels 0, Gaps 0;

Qy 1 MALSRRLRLRYARLPHFEILLFLFGCMIEVNLKSSNRNPVHFESEVESCITTHSOT 60  
Db 1 MALRRPRLRLCARLPDFLLFLFGCLIGAVNLKSSNRNPVHFESEVESCITTHSOT 60  
Qy 61 SDPRLEMKRIODGOTYYVFNKIOGDLAGRTDVGKTSRLRMVTRSDAAYRCEVVAL 120  
Db 61 SDPRLEMKRIODEQTTYYFEDNKIOGDLAGRAELIGKTSRLKIMVTRSDAAYRCEVVAL 120  
Qy 121 NDRKEVDITTEILYQVAPVPCRIPAAVYGKATATLQCESEGYPPPHYSWRANDVPL 180  
Db 121 NDRKEIDEIVIELTVQVAPVPCRPVCAVPGKATLHCQESGHPPHYSWRANDVPL 180  
Qy 181 PTDSRANRPFQSSPFWNSGETIVFNHMDSDQYVCIAINDGARCQSDMEVYDL 240  
Db 181 PTDSRANRPFQSSPFWNSGETIVFNHMDSDQYVCIAINDGARCQSDMEVYDL 240  
Qy 241 NIAGIGVVLVLYAVITMIGICCAVRCGFISKQDGESEYKSPGKHGQVNYIRTSEEG 300  
Db 241 NIAGIGVVLVLYAVLITLIGICCAVRCGYFINNKQDGESEYKSPGKHGQVNYIRTDEEG 300  
Qy 301 DFRHKSFEVI 310  
Db 301 DFRHKSFEVI 310

RESULT 8

US-09-907-841-423  
; Sequence 423, Application US/09907841  
; Publication No. US20020198366A1  
; GENERAL INFORMATION:  
; APPLICANT: Genentech, Inc.  
; APPLICANT: Ashkenazi, Avi  
; APPLICANT: Bolstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gertsens, Mary E.  
; APPLICANT: Goddard, A.  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillan, Kenneth, J.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Mather, Jennie P.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William, I.  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: 10466-14  
; CURRENT FILING DATE: 2001-11-20



```

; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; Remaining Prior Application data removed - See file Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 423
; LENGTH: 310
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-907-841-423

```

```

Query Match      86.3%; Score 1409; DB 9; Length 310;
Best Local Similarity 85.8%; Pred. No. 2.5e-89;
Matches 266; Conservative 18; Mismatches 26; Indels 0; Gaps 0;

```

```

QY 1 MALSRRLRLRLARLPDHFLLLLFRGCMTEAVNLKSSNRPVNHFESEVLSCTIHSOT 60
DB 1 MALRRPRRLRLCARLPDFFLLLLFRGLGAVNLKSSNRPVVOEFESVLSCTIHSOT 60
QY 61 SDPRIEMKKIQDQGTYYVFDNKKIOGDLAGRTDVGKTSLRIMWNTSRSDSAIYRCEVAL 120
DB 61 SDPRIEMKKIQDQGTYYVFDNKKIOGDLAGRAEILKTSLRIMWNTSRSDSAIYRCEVAL 120
QY 121 NDRKEVDEITELIVQVKFVTPVCRIPAAVPGVKTATLQCESEGYPRPHYSWYRNDVPL 180
DB 121 NDRKEVDEITELIVQVKFVTPVCRIPAAVPGVKTATLQCESEGYPRPHYSWYRNDVPL 180
QY 181 PTDSSRANPRFQSSFFVHNSGTGLVFNNAVHKDSSGYCYCLASNDAGAACCEGDMYVYL 240
DB 181 PTDSSRANPRFQSSFFVHNSGTGLVFNNAVHKDSSGYCYCLASNDAGAACCEGDMYVYL 240
QY 241 NTAGIIGVLLVLYLAVITMGICAYRRGCFISSKQDESYSPGKHGVNVIYRTSEEG 300
DB 241 NTAGIIGVLLVLYLAVITMGICAYRRGCFISSKQDESYSPGKHGVNVIYRTSEEG 300
QY 301 DFRHKSSFYI 310
DB 301 DFRHKSSFYI 310

```

```

RESULT 9
US-09-904-011-423
; Sequence 423, Application US/09904011
; Publication No. US20030003530A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertsen, Mary E.

```

```

; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,011
; PRIOR FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 423
; LENGTH: 310
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-904-011-423

```

```

Query Match      86.3%; Score 1409; DB 9; Length 310;
Best Local Similarity 85.8%; Pred. No. 2.5e-89;
Matches 266; Conservative 18; Mismatches 26; Indels 0; Gaps 0;

```

```

QY 1 MALSRRLRLRLARLPDHFLLLLFRGCMTEAVNLKSSNRPVNHFESEVLSCTIHSOT 60
DB 1 MALRRPRRLRLCARLPDFFLLLLFRGLGAVNLKSSNRPVVOEFESVLSCTIHSOT 60
QY 61 SDPRIEMKKIQDQGTYYVFDNKKIOGDLAGRTDVGKTSLRIMWNTSRSDSAIYRCEVAL 120
DB 61 SDPRIEMKKIQDQGTYYVFDNKKIOGDLAGRAEILKTSLRIMWNTSRSDSAIYRCEVAL 120

```

```

0Y 121 NDREVEIDETTELVOYKPVYPCVRIPAAYVCKTATLOOESGYPVRYHSWTRNDVPL 180
Db 121 NDREKIDETITELVVOYKPVYPCVRIPAAYVCKTATLOOESGYPVRYHSWTRNDVPL 180
QY 181 PTDSRANPFRPNSSFHNSETGTGLVFNAVHKRDSGQYYCIAANDGAAAREGQDMVEYDL 240
Db 181 PTDSRANPFRPNSSFHNSETGTGLVFNAVHKRDSGQYYCIAANDGAAAREGQDMVEYDL 240
QY 241 NIAGTIGVLVLVLAVITMGTTCATRRGCFISSKODGESYSPGKHGVNVTIRTSSEG 300
Db 241 NIAGTIGVLVLVLAVITMGTTCATRRGCFISSKODGESYSPGKHGVNVTIRTSSEG 300
QY 301 DFRKRSFVY 310
Db 301 DFRKRSFVY 310
RESULT 10
0Y 0-028-072-538
Application No. US20030004311A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvarioff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang
TITLE OF INVENTION:
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/028.072
CURRENT FILING DATE: 2001-12-19
PRIORITY APPLICATION NUMBER: 60/049911
PRIORITY FILING DATE: 1997-06-18
PRIORITY APPLICATION NUMBER: 60/056974
PRIORITY FILING DATE: 1997-08-26
PRIORITY APPLICATION NUMBER: 60/059113
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059115
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059117
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059122
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059184
PRIORITY FILING DATE: 1997-09-17
PRIORITY APPLICATION NUMBER: 60/059263
PRIORITY FILING DATE: 1997-09-18
PRIORITY APPLICATION NUMBER: 60/059352
PRIORITY FILING DATE: 1997-09-19
PRIORITY APPLICATION NUMBER: 60/059588
PRIORITY FILING DATE: 1997-09-19
PRIORITY APPLICATION NUMBER: 60/059836
PRIORITY FILING DATE: 1997-09-24
PRIORITY APPLICATION NUMBER: 60/062250
PRIORITY FILING DATE: 1997-10-17
PRIORITY APPLICATION NUMBER: 60/062285
PRIORITY FILING DATE: 1997-10-17
PRIORITY APPLICATION NUMBER: 60/062287
PRIORITY FILING DATE: 1997-10-17
PRIORITY APPLICATION NUMBER: 60/062814

```

PRIOR FILING DATE:	1997-10-24
PRIOR APPLICATION NUMBER:	60/062816
PRIOR FILING DATE:	1997-10-24
PRIOR APPLICATION NUMBER:	60/063045
PRIOR FILING DATE:	1997-10-24
PRIOR APPLICATION NUMBER:	60/063082
PRIOR FILING DATE:	1997-10-31
PRIOR APPLICATION NUMBER:	60/063127
PRIOR FILING DATE:	1997-10-24
PRIOR APPLICATION NUMBER:	60/063327
PRIOR FILING DATE:	1997-10-27
PRIOR APPLICATION NUMBER:	60/063329
PRIOR FILING DATE:	1997-10-27
PRIOR APPLICATION NUMBER:	60/063350
PRIOR FILING DATE:	1997-10-28
PRIOR APPLICATION NUMBER:	60/063351
PRIOR FILING DATE:	1997-10-28
PRIOR APPLICATION NUMBER:	60/063374
PRIOR FILING DATE:	1997-10-29
PRIOR APPLICATION NUMBER:	60/063373
PRIOR FILING DATE:	1997-10-29
PRIOR APPLICATION NUMBER:	60/063375
PRIOR FILING DATE:	1997-10-29
PRIOR APPLICATION NUMBER:	60/063378
PRIOR FILING DATE:	1997-10-29
PRIOR APPLICATION NUMBER:	60/063755
PRIOR FILING DATE:	1997-10-17
PRIOR APPLICATION NUMBER:	60/064248
PRIOR FILING DATE:	1997-11-03
PRIOR APPLICATION NUMBER:	60/064809
PRIOR FILING DATE:	1997-11-07
PRIOR APPLICATION NUMBER:	60/065186
PRIOR FILING DATE:	1997-11-12
PRIOR APPLICATION NUMBER:	60/065846
PRIOR FILING DATE:	1997-11-17
PRIOR APPLICATION NUMBER:	60/066364
PRIOR FILING DATE:	1997-11-21
PRIOR APPLICATION NUMBER:	60/066453
PRIOR FILING DATE:	1997-11-24
PRIOR APPLICATION NUMBER:	60/066511
PRIOR FILING DATE:	1997-11-24
PRIOR APPLICATION NUMBER:	60/066770
PRIOR FILING DATE:	1997-11-24
PRIOR APPLICATION NUMBER:	60/069122
PRIOR FILING DATE:	1997-12-11
PRIOR APPLICATION NUMBER:	60/069278
PRIOR FILING DATE:	1997-12-11
PRIOR APPLICATION NUMBER:	60/069334
PRIOR FILING DATE:	1997-12-11
PRIOR APPLICATION NUMBER:	60/069694
PRIOR FILING DATE:	1997-12-16
PRIOR APPLICATION NUMBER:	60/071230
PRIOR FILING DATE:	1998-01-23
PRIOR APPLICATION NUMBER:	60/073612
PRIOR FILING DATE:	1998-02-04
PRIOR APPLICATION NUMBER:	60/074086
PRIOR FILING DATE:	1998-02-09
PRIOR APPLICATION NUMBER:	60/074092
PRIOR FILING DATE:	1998-02-09
PRIOR APPLICATION NUMBER:	60/077791
PRIOR FILING DATE:	1998-03-12
PRIOR APPLICATION NUMBER:	60/078910
PRIOR FILING DATE:	1998-03-20
PRIOR APPLICATION NUMBER:	60/079294
PRIOR FILING DATE:	1998-03-25
PRIOR APPLICATION NUMBER:	60/079663
PRIOR FILING DATE:	1998-02-27
PRIOR APPLICATION NUMBER:	60/079728
PRIOR FILING DATE:	1998-03-27
PRIOR APPLICATION NUMBER:	60/080165
PRIOR FILING DATE:	1998-03-31
PRIOR APPLICATION NUMBER:	60/081203
PRIOR FILING DATE:	1998-04-09

PRIOR FILING DATE:	1997-10-24
PRIOR APPLICATION NUMBER:	60/0628216
PRIOR FILING DATE:	1997-10-24
PRIOR APPLICATION NUMBER:	60/063045
PRIOR FILING DATE:	1997-10-24
PRIOR APPLICATION NUMBER:	60/063082
PRIOR FILING DATE:	1997-10-31
PRIOR APPLICATION NUMBER:	60/063127
PRIOR FILING DATE:	1997-10-24
PRIOR APPLICATION NUMBER:	60/063327
PRIOR FILING DATE:	1997-10-27
PRIOR APPLICATION NUMBER:	60/063329
PRIOR FILING DATE:	1997-10-27
PRIOR APPLICATION NUMBER:	60/063550
PRIOR FILING DATE:	1997-10-28
PRIOR APPLICATION NUMBER:	60/063561
PRIOR FILING DATE:	1997-10-28
PRIOR APPLICATION NUMBER:	60/063704
PRIOR FILING DATE:	1997-10-29
PRIOR APPLICATION NUMBER:	60/063733
PRIOR FILING DATE:	1997-10-29
PRIOR APPLICATION NUMBER:	60/063735
PRIOR FILING DATE:	1997-10-29
PRIOR APPLICATION NUMBER:	60/063738
PRIOR FILING DATE:	1997-10-29
PRIOR APPLICATION NUMBER:	60/063755
PRIOR FILING DATE:	1997-10-17
PRIOR APPLICATION NUMBER:	60/064248
PRIOR FILING DATE:	1997-11-03
PRIOR APPLICATION NUMBER:	60/064809
PRIOR FILING DATE:	1997-11-07
PRIOR APPLICATION NUMBER:	60/065186
PRIOR FILING DATE:	1997-11-12
PRIOR APPLICATION NUMBER:	60/065846
PRIOR FILING DATE:	1997-11-17
PRIOR APPLICATION NUMBER:	60/066364
PRIOR FILING DATE:	1997-11-21
PRIOR APPLICATION NUMBER:	60/066453
PRIOR FILING DATE:	1997-11-24
PRIOR APPLICATION NUMBER:	60/066511
PRIOR FILING DATE:	1997-11-24
PRIOR APPLICATION NUMBER:	60/066770
PRIOR FILING DATE:	1997-11-24
PRIOR APPLICATION NUMBER:	60/069694
PRIOR FILING DATE:	1997-12-15
PRIOR APPLICATION NUMBER:	60/072320
PRIOR FILING DATE:	1998-01-23
PRIOR APPLICATION NUMBER:	60/073612
PRIOR FILING DATE:	1998-02-04
PRIOR APPLICATION NUMBER:	60/074086
PRIOR FILING DATE:	1998-02-09
PRIOR APPLICATION NUMBER:	60/074092
PRIOR FILING DATE:	1998-02-09
PRIOR APPLICATION NUMBER:	60/077791
PRIOR FILING DATE:	1998-03-12
PRIOR APPLICATION NUMBER:	60/078910
PRIOR FILING DATE:	1998-03-20
PRIOR APPLICATION NUMBER:	60/079294
PRIOR FILING DATE:	1998-03-25
PRIOR APPLICATION NUMBER:	60/079663
PRIOR FILING DATE:	1998-02-27
PRIOR APPLICATION NUMBER:	60/079728
PRIOR FILING DATE:	1998-03-27
PRIOR APPLICATION NUMBER:	60/080165
PRIOR FILING DATE:	1998-03-31
PRIOR APPLICATION NUMBER:	60/081203
PRIOR FILING DATE:	1998-04-09

2  
PRIOR APPLICATION NUMBER: 60/081229  
PRIOR FILING DATE: 1998-04-09  
PRIOR APPLICATION NUMBER: 60/081695  
PRIOR FILING DATE: 1998-04-14  
PRIOR APPLICATION NUMBER: 60/081817  
PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/081818  
PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/082999  
PRIOR FILING DATE: 1998-04-24  
PRIOR APPLICATION NUMBER: 60/083222  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/083545  
PRIOR FILING DATE: 1998-04-29  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/084627  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/084637  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/085149  
PRIOR FILING DATE: 1998-05-12  
PRIOR APPLICATION NUMBER: 60/085323  
PRIOR FILING DATE: 1998-05-13  
PRIOR APPLICATION NUMBER: 60/085338  
PRIOR FILING DATE: 1998-05-13  
PRIOR APPLICATION NUMBER: 60/085339  
PRIOR FILING DATE: 1998-05-13  
PRIOR APPLICATION NUMBER: 60/085379  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/085697  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/085704  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/086414  
PRIOR FILING DATE: 1998-05-22  
PRIOR APPLICATION NUMBER: 60/086430  
PRIOR FILING DATE: 1998-05-22  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/088026  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088730  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088741  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088810  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088858  
PRIOR FILING DATE: 19/98-06-11  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089599  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089947  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090538  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090863  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/091360  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091519  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091982

1  
PRIOR FILING DATE: 1998-07-07  
Query Match 86.3%; Score 1409; DB 9; Length 310;  
Best Local Similarity 85.8%; Pred. No. 2.5e-89;  
Matches 266; Conservative 18; Mismatches 26; Indels 0; Gaps 0;  
1 MALSRLRLVRLVRLPHPLFLFRGCMTEAVVLKSSNRNPVYHEFESVELSCIITHSQT 60  
1 MALRRPRLRLCARLPDFLLFRGLGAVLAKSSNRPVYQESVESLSCIITDSOT 60  
61 SDRLEMKRIODGQTTVYVFDNRIQDGLAGRDVPFKTSLRIWNTRSDAIRCEVAL 120  
61 SDRLEMKRIQDQTTVYVFDNRIQDGLAGRAIILKTSKINWTRRSALRCEVAR 120  
121 NDRKEVDEITELIVQKPYTPVCRIPAAVPVCKTATLQCESQEPVPHYSYTRNDVPL 180  
121 NDRKEIDEIVIELTVQKPYTPVCRIPVPGKMATLHCQESQEGHPRHYSYTRNDVPL 180  
181 PPDSSRANPPRPNSSFFVNSPTGTLVFNAYHKDSSGOYTCIASNDAGARCEQDMEVYDL 240  
181 PPDSSRANPPRPNSSFFVNSPTGTLVFNAYHKDSSGOYTCIASNDAGARCEQDMEVYDL 240  
241 NAGIIGVLYVLIVLAVITMGICAYRRGCFITSSKODESYKSPCKHDGVNVTYRTSEBG 300  
241 NAGIIGVLYVLIVLAVITMGICAYRRGCFITSSKODESYKSPCKHDGVNVTYRTSEBG 300  
301 DFRHKSFPVI 310  
301 DFRHKSFPVI 310  
RESULT 11  
US-09-909-320-423  
Sequence 423, Application US/09909320  
Patent No. US20020132240A1  
GENERAL INFORMATION:  
APPLICANT: Genentech, Inc.  
APPLICANT: Ashkenazi, Avi  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerlitsen, Mary E.  
APPLICANT: Goddard, A.  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Hillan, Kenneth, J.  
APPLICANT: Kijavlin, Ivar J.  
APPLICANT: Mather, Jennie P.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William, I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: 10466-14  
CURRENT APPLICATION NUMBER: US/09/909,320  
CURRENT FILING DATE: 2002-01-04  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: US 60/143,048  
PRIOR FILING DATE: 1999-07-07  
PRIOR APPLICATION NUMBER: US 60/145,698  
PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: US 60/146,222

```

; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 423
; LENGTH: 310
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-909-320-423
```

Query Match 86.3%; Score 1409; DB 10; Length 310;  
Best Local Similarity 85.8%; Pred. No. 2.5e-89;  
Matches 266; Conservative 18; Mismatches 26; Indels 0; Gaps 0;

```

QY 1 MALSRRLRLYLARLPHPFLLLFRGCMIEAVNLKSSNNPNVHFESEVELSCIITHSQT 60
DB 1 MALRRPRLRLCARLPDFLLLLFRGCLIGAVNLKSSNTPVVOEFSEVELSCIITDSQT 60
QY 61 SDPRIEMKKIQDQGTYYVFDNKGIOGDLAGRTDVEGKTSLRIMWYRSDAIYRCEVAL 120
DB 61 SDPRIEMKKIQDQGTYYVFDNKGIOGDLAGRAELIGKTSLRIMWYRSDAIYRCEVAR 120
QY 121 NMRKEVDETTIELIVQVKVTPVCRIPRAVPYKTAITLQCSSEGRPRPHYSMYRNDVPL 180
DB 121 NMRKEVDETTIELIVQVKVTPVCRIPRAVPYKTAITLQCSSEGRPRPHYSMYRNDVPL 180
QY 181 PIDSRRANPRFQNSFHVNSESTGLVFNNAVHKDDSGQYCIASNDAGAACRCEGODMEVYDL 240
DB 181 PIDSRRANPRFQNSFHVNSESTGLVFNNAVHKDDSGQYCIASNDAGAACRCEGODMEVYDL 240
QY 241 NIAGIIGVLLVAVLAVITMGICCAVRRGCFITSSKQDESEYKSPGKHGDNVYIRTSEEG 300
DB 241 NIAGIIGVLLVAVLAVITMGICCAVRRGCFITSSKQDESEYKSPGKHGDNVYIRTSEEG 300
QY 301 DFRHKSSEFYI 310
DB 301 DFRHKSSEFYI 310
```

RESULT 12  
US-09-909-088B-423  
; Sequence 423, Application US/09909088B  
; Patent No. US20020146709A1  
; GENERAL INFORMATION:  
; APPLICANT: Genentech, Inc.  
; APPLICANT: Ashkenazi, Avi  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.

```

; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,088B
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 423
; LENGTH: 310
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-909-088B-423
```

Query Match 86.3%; Score 1409; DB 10; Length 310;  
Best Local Similarity 85.8%; Pred. No. 2.5e-89;  
Matches 266; Conservative 18; Mismatches 26; Indels 0; Gaps 0;

```

QY 1 MALSRRLRLYLARLPHPFLLLFRGCMIEAVNLKSSNNPNVHFESEVELSCIITHSQT 60
DB 1 MALRRPRLRLCARLPDFLLLLFRGCLIGAVNLKSSNTPVVOEFSEVELSCIITDSQT 60
```

```
Qy 61 SDRLEMKKIQDQTTYYVFDNKGIOGDLGRDVFCKTSLRWNTSRSDAIYRCEVNL 120
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 SDRLEMKKIQDQTTYYVFDNKGIOGDLGRDVFCKTSLRWNTSRSDAIYRCEVNL 120
Qy 121 NDRKEVDEITIELIYOVKRVTPVCRIPAAVPGKATLLOCESEGYPRPHYSYRNDVPL 180
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 NDRKEVDEITIELIYOVKRVTPVCRIPAAVPGKATLLOCESEGYPRPHYSYRNDVPL 180
Qy 181 PIDSRRANPRFONSSFFHVNSETGTLVFNNAVHKDSDGQYCIASNDAGAACRCEGDMYVDL 240
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 PIDSRRANPRFONSSFFHVNSETGTLVFNNAVHKDSDGQYCIASNDAGAACRCEGDMYVDL 240
Qy 241 NIAGIIGVLYLVLYAVITMGICAYRRGCFIISKODESEYKSPGKHGQVNYIRTSSEG 300
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 241 NIAGIIGVLYLVLYAVITMGICAYRRGCFIISKODESEYKSPGKHGQVNYIRTSSEG 300
Qy 301 DFRHKSSFVI 310
    |||:|||||:
301 DFRHKSSFVI 310

RESULT 13
: Sequence 20, Application US/10033246
: Patent No. US20020098505A1
: GENERAL INFORMATION:
: APPLICANT: Bolstein, David
: APPLICANT: Desnoyers, Luc
: APPLICANT: Ferrara, Napoleone
: APPLICANT: Fong, Sherman
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Goddard, Audrey
: APPLICANT: Gurney, Austin L.
: APPLICANT: Pan, James
: APPLICANT: Roy, Margaret Ann
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Watanabe, Colin K.
: APPLICANT: Wood, William I.
: TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
: FILE REFERENCE: P2930R1C12
: CURRENT APPLICATION NUMBER: US/10/033,246
: PRIOR FILING DATE: 2001-12-28
: PRIOR APPLICATION NUMBER: 60/095,325
: PRIOR FILING DATE: 1998-08-04
: PRIOR APPLICATION NUMBER: 60/112,851
: PRIOR FILING DATE: 1998-12-16
: PRIOR APPLICATION NUMBER: 60/113,145
: PRIOR FILING DATE: 1998-12-16
: PRIOR APPLICATION NUMBER: 60/113,511
: PRIOR FILING DATE: 1998-12-22
: PRIOR APPLICATION NUMBER: 60/115,558
: PRIOR FILING DATE: 1999-01-12
: PRIOR APPLICATION NUMBER: 60/115,565
: PRIOR FILING DATE: 1999-01-12
: PRIOR APPLICATION NUMBER: 60/115,733
: PRIOR FILING DATE: 1999-01-12
: PRIOR APPLICATION NUMBER: 60/119,341
: PRIOR FILING DATE: 1999-02-09
: PRIOR APPLICATION NUMBER: 60/119,537
: PRIOR FILING DATE: 1999-02-10
: PRIOR APPLICATION NUMBER: 60/119,965
: PRIOR FILING DATE: 1999-02-12
: PRIOR APPLICATION NUMBER: 60/162,506
: PRIOR FILING DATE: 1999-10-29
: PRIOR APPLICATION NUMBER: 60/170,262
: PRIOR FILING DATE: 1999-12-09
: PRIOR APPLICATION NUMBER: 60/187,202
: PRIOR FILING DATE: 2000-03-03
: PRIOR APPLICATION NUMBER: PCT/US99/12252
: PRIOR FILING DATE: 1999-06-02
```

```

: PRIOR APPLICATION NUMBER: PCT/US99/28634
: PRIOR FILING DATE: 1999-12-01
: PRIOR APPLICATION NUMBER: PCT/US99/28551
: PRIOR FILING DATE: 1999-12-02
: PRIOR APPLICATION NUMBER: PCT/US00/03565
: PRIOR FILING DATE: 2000-02-11
: PRIOR APPLICATION NUMBER: PCT/US00/04414
: PRIOR FILING DATE: 2000-02-22
: PRIOR APPLICATION NUMBER: PCT/US00/05841
: PRIOR FILING DATE: 2000-03-02
: PRIOR APPLICATION NUMBER: PCT/US00/08439
: PRIOR FILING DATE: 2000-03-30
: PRIOR APPLICATION NUMBER: PCT/US00/14941
: PRIOR FILING DATE: 2000-05-30
: PRIOR APPLICATION NUMBER: PCT/US00/15264
: PRIOR FILING DATE: 2000-06-02
: PRIOR APPLICATION NUMBER: PCT/US00/32678
: PRIOR FILING DATE: 2000-12-01
: NUMBER OF SEQ ID NOS: 38
: SEQ ID NO 20
: LENGTH: 310
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-033-246-20

Query Match      86.3%  Score 1409; DB 12; Length 310;
Best Local Similarity 85.8%  Pred. No. 2,5e-89;
Matches 266; Conservative 18; Mismatches 26; Indels 0; Gaps 0;

Qy 1 MALSRRLRLYLARLPHPFLLLFRGCMIEAVNLKSSNRPVYHEFESVELSCIITHSOT 60
    |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
Db 1 MALRRPRRLRLCARLPDFLLLLFRGLLGAVNLKSSNRPVYGEFESVELSCIITHDSOT 60
Qy 61 SDRLEMKKIQDQTTYYVFDNKGIOGDLGRDVFCKTSLRWNTSRSDAIYRCEVNL 120
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 SDRLEMKKIQDQTTYYVFDNKGIOGDLGRDVFCKTSLRWNTSRSDAIYRCEVNL 120
Qy 121 NDRKEVDEITIELIYOVKRVTPVCRIPAAVPGKATLLOCESEGYPRPHYSYRNDVPL 180
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 NDRKEVDEITIELIYOVKRVTPVCRIPAAVPGKATLLOCESEGYPRPHYSYRNDVPL 180
Qy 181 PIDSRRANPRFONSSFFHVNSETGTLVFNNAVHKDSDGQYCIASNDAGAACRCEGDMYVDL 240
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 PIDSRRANPRFONSSFFHVNSETGTLVFNNAVHKDSDGQYCIASNDAGAACRCEGDMYVDL 240
Qy 241 NIAGIIGVLYLVLYAVITMGICAYRRGCFIISKODESEYKSPGKHGQVNYIRTSSEG 300
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 241 NIAGIIGVLYLVLYAVITMGICAYRRGCFIISKODESEYKSPGKHGQVNYIRTSSEG 300
Qy 301 DFRHKSSFVI 310
    |||:|||||:
301 DFRHKSSFVI 310

RESULT 14
: Sequence 20, Application US/10033301
: Patent No. US20020098506A1
: GENERAL INFORMATION:
: APPLICANT: Bolstein, David
: APPLICANT: Desnoyers, Luc
: APPLICANT: Ferrara, Napoleone
: APPLICANT: Fong, Sherman
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Goddard, Audrey
: APPLICANT: Gurney, Austin L.
: APPLICANT: Pan, James
: APPLICANT: Roy, Margaret Ann
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Watanabe, Colin K.
: APPLICANT: Wood, William I.
: TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
```

```

Oy      181  PTDSEANRPFNSSEFHNSESGTLVFNAAHKDDSGGYTCLASNDAGAAECGDMEVYDL 240
         | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      181  PTDSEANRPFNSSEFHNSESGTLVFNAAHKDDSGGYTCLASNDAGAAECGDMEVYDL 240
Oy      241  NIAGTIGCVLVLYLAVITMGTICCAVRCGFISSKODGSSYKSPGHGVNVTIRTSSEG 300
         | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      241  NIGGIIIGVLVLYLAVLALITLIGICCAVRGYFINNKODGESYKNPKDPDVNYIRTDDEG 300
Oy      301  DFRHKSFFVI 310
         | | | | | | | | | |
Db      301  DFRHKSFFVI 310

RESULT 15
US-10-033-326-20
Sequence 20, Application US/10033326
Patent No. US20020098507A1
GENERAL INFORMATION:
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Goddard, Audrey
APPLICANT: Gunney, Austin L.
APPLICANT: Pan, James
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secured and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2930R1C8
CURRENT APPLICATION NUMBER: US/10/033,326
CURRENT FILING DATE: 2001-12-27
PRIOR APPLICATION NUMBER: 60/095,325
PRIOR FILING DATE: 1998-08-04
PRIOR APPLICATION NUMBER: 60/112,851
PRIOR FILING DATE: 1998-12-16
PRIOR APPLICATION NUMBER: 60/113,145
PRIOR FILING DATE: 1998-12-16
PRIOR APPLICATION NUMBER: 60/113,511
PRIOR FILING DATE: 1998-12-22
PRIOR APPLICATION NUMBER: 60/115,558
PRIOR FILING DATE: 1999-01-12
PRIOR APPLICATION NUMBER: 60/115,565
PRIOR FILING DATE: 1999-01-12
PRIOR APPLICATION NUMBER: 60/115,733
PRIOR FILING DATE: 1999-01-12
PRIOR APPLICATION NUMBER: 60/119,341
PRIOR FILING DATE: 1999-02-09
PRIOR APPLICATION NUMBER: 60/119,537
PRIOR FILING DATE: 1999-02-10
PRIOR APPLICATION NUMBER: 60/119,965
PRIOR FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: 60/162,506
PRIOR FILING DATE: 1999-10-29
PRIOR APPLICATION NUMBER: 60/170,262
PRIOR FILING DATE: 1999-12-09
PRIOR APPLICATION NUMBER: 60/187,202
PRIOR FILING DATE: 2000-03-03
PRIOR APPLICATION NUMBER: PCT/US99/12252
PRIOR FILING DATE: 1999-06-02
PRIOR APPLICATION NUMBER: PCT/US99/28634
PRIOR FILING DATE: 1999-12-01
PRIOR APPLICATION NUMBER: PCT/US99/28551
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US00/03565
PRIOR FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: PCT/US00/05841

```



**THIS PAGE BLANK (USPTO)**



GenCore version 5.1.3  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 15, 2003, 17:22:22 : Search time 13.5 Seconds  
(without alignments)  
675.637 Million cell updates/sec

Title: US-09-524-531C-13

Perfect score: 1633

Sequence: 1 MALSRRLRLRLRYARLPHPFL.....VNYIRTSREGDFRRKSSRFVI 310

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 262574 seqs, 29422922 residues

31 number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Issued Patents-AA:\*

1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PCITUS.COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/Backfill1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	498	30.5	298	4	US-09-152-060-76
2	478	29.3	312	4	US-09-254-465A-9
3	449.5	27.5	300	4	US-09-254-465A-10
4	415	25.4	299	4	US-09-188-930-331
5	415	25.4	299	4	US-09-462-270-2
6	415	25.4	299	4	US-09-254-465A-1
7	403	24.7	299	4	US-09-188-930-189
8	381.5	23.4	260	4	US-09-254-465A-23
9	381.5	23.4	263	4	US-09-254-465A-25
10	283	17.3	205	4	US-09-462-270-4
11	242.5	14.8	319	1	US-08-597-495B-22
12	242.5	14.8	319	4	US-09-068-051A-22
13	242.5	14.8	319	4	US-09-336-536-67
14	242.5	14.8	319	4	US-09-254-465A-6
15	240.5	14.7	318	4	US-09-068-051A-32
16	236.5	14.5	270	4	US-09-254-465A-24
17	236.5	14.5	273	4	US-09-254-465A-26
18	197.5	12.1	387	4	US-09-175-928-2
19	173.5	10.6	365	4	US-08-928-383B-2
20	172.5	10.6	365	2	US-08-979-424-3
21	172.5	10.6	365	4	US-09-272-496-2
22	172.5	10.6	370	4	US-09-336-536-28
23	171.5	10.5	341	4	US-09-336-536-29
24	171.5	10.5	390	2	US-08-979-424-1
25	167.5	10.3	365	4	US-09-336-536-40
26	167.5	10.3	394	4	US-09-336-536-39
27	166	10.2	1101	3	US-08-986-485-2

28	161.5	9.9	246	4	US-09-336-536-31	Sequence 31, Appl
29	160	9.8	869	1	US-08-374-834-16	Sequence 16, Appl
30	160	9.8	869	2	US-08-644-221-29	Sequence 29, Appl
31	160	9.8	869	4	US-09-077-955-33	Sequence 33, Appl
32	156.5	9.6	365	4	US-08-928-383B-23	Sequence 23, Appl
33	156.5	9.6	365	4	US-08-928-383B-24	Sequence 24, Appl
34	151.5	9.3	365	4	US-08-928-383B-26	Sequence 26, Appl
35	151	9.2	1091	3	US-08-986-485-5	Sequence 5, Appl
36	150	9.2	1297	4	US-09-540-245A-17	Sequence 17, Appl
37	148	9.1	607	2	US-08-752-307B-12	Sequence 12, Appl
38	148	9.1	607	4	US-09-707-802-12	Sequence 12, Appl
39	148	9.1	607	4	US-09-991-326-12	Sequence 12, Appl
40	147.5	9.0	501	2	US-08-408-095-31	Sequence 31, Appl
41	147	9.0	95	4	US-08-928-383B-18	Sequence 18, Appl
42	147	9.0	1395	4	US-09-540-245A-15	Sequence 15, Appl
43	146.5	9.0	478	5	PCT-US95-08493-15	Sequence 15, Appl
44	146.5	9.0	860	5	PCT-US95-08493-19	Sequence 19, Appl
45	146.5	9.0	868	5	PCT-US95-08493-21	Sequence 21, Appl

## ALIGNMENTS

RESULT 1  
US-09-152-060-76

Sequence 76, Application US/09152060

Patent No. 6448230

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: 28 Human Secreted Proteins

FILE REFERENCE: P2003p1.US

CURRENT APPLICATION NUMBER: US/09/152,060

CURRENT FILING DATE: 1998-09-11

EARLIER APPLICATION NUMBER: PCT/US98/04858

EARLIER FILING DATE: 1998-03-12

EARLIER APPLICATION NUMBER: 60/040,762

EARLIER FILING DATE: 1997-03-14

EARLIER APPLICATION NUMBER: 60/040,710

EARLIER FILING DATE: 1997-03-14

EARLIER APPLICATION NUMBER: 60/050,934

EARLIER FILING DATE: 1997-05-30

EARLIER APPLICATION NUMBER: 60/048,100

EARLIER FILING DATE: 1997-05-30

EARLIER APPLICATION NUMBER: 60/048,357

EARLIER FILING DATE: 1997-05-30

EARLIER APPLICATION NUMBER: 60/048,189

EARLIER FILING DATE: 1997-05-30

EARLIER APPLICATION NUMBER: 60/057,765

EARLIER FILING DATE: 1997-09-05

EARLIER APPLICATION NUMBER: 60/048,970

EARLIER FILING DATE: 1997-06-06

EARLIER APPLICATION NUMBER: 60/068,368

EARLIER FILING DATE: 1997-12-19

NUMBER OF SEQ ID NOS: 118

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 76

LENGTH: 298

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SITE

LOCATION: (42)

OTHER INFORMATION: (42)

FEATURE:

NAME/KEY: SITE

LOCATION: (58)

OTHER INFORMATION: (58)

US-09-152-060-76

Query Match 30.5%; Score 498; DB 4; Length 298;  
Best Local Similarity 37.0%; Pred. No. 4.3e+42;  
Matches 117; Conservative 61; Mismatches 112; Indels 26; Gaps 9;



```

US-09-188-930-331
/ Sequence 331, Application US/09188930A
/ Patent No. 6150502
/
/ GENERAL INFORMATION:
/
/ APPLICANT: Watson, James D.
/
/ APPLICANT: Strachan, Lorna
/
/ APPLICANT: Sleeman, Mathew
/
/ APPLICANT: Onrust, Rene
/
/ APPLICANT: Murlison, James Greg
/
/ TITLE OF INVENTION: Compositions Isolated From Skin Cells
/
/ TITLE OF INVENTION: and Methods For Their Use
/
/ FILE REFERENCE: 11000.1011c1
/
/ CURRENT APPLICATION NUMBER: US/09/188,930A
/
/ CURRENT FILING DATE: 1998-11-09
/
/ NUMBER OF SEQ ID NOS: 348
/
/ SOFTWARE: FastSeq for Windows Version 3.0
/
/ SEQ ID NO 331
/
/ LENGTH: 299
/
/ TYPE: PRT
/
/ ORGANISM: Human
/
/ 09-188-930-331

```

[illegible]

```

: RESULT 5
: 09-462-270-2
: Sequence 2, Application US/09462270
: Patent No. 6358707
: GENERAL INFORMATION:
: APPLICANT: SmithKline Beecham Corporation
: TITLE OF INVENTION: Human Flt Antigen: A Cell Surface
: TITLE OF INVENTION: Receptor Involved in Platelet Aggregation
: FILE REFERENCE: GH-701500S
: CURRENT APPLICATION NUMBER: US/09/462,270
: PRIOR APPLICATION NUMBER: 2000-01-05
: PRIOR FILING DATE: 1997-07-10
: NUMBER OF SEQ. ID NOS.: 4
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 2
: LENGTH: 299
: TYPE: PRT
: ORGANISM: HOMO SAPIENS
: OS-09-462-270-2

```

Query Match	35.4%	Score 415;	DB 4;	Length 299;
Best Local Similarity	23.8%	Pred. No. 9,9e-34;		
Matches 100;	Conservative 50;	Mismatches 132;	Indels 14;	Gaps 6;
18 FLLLLFRGCMIEAVNLKSSNRNPVHEEVEVSLCIIITHSOTSOPRIEMKKIODGTTY	77			

Db	15	FLAILLCLSLAIGSTVTHSHSSEPEVKRI	PENNPKYLSL	--	AI	SGFSSPRVKECFDQGGTTR	72
QY	78	VYFDNKGQDLGRTPDVGKTSJLRIMWY	TRSDSAIYRCEVVALNDKREVEITIELI	VOY	137		
Db	73	VCYNKRIRASVEEDRV	-TELPITGTRKSVYREDTGTGYTC	-MSEEGGNSYGEVVKRLIVL	130		
QY	138	KPVPRVCPIPAVAPVPGKATLQCCSEEG	PRPHYSWYRNDVDLPTDSRANPRONSFVY	197			
Db	131	PPSKPTVIVPSSATITGNRNVLCSDQDGG	SPSELYTFMKGIQVMPTRPKTRAFSSNSYVL	190			
QY	198	NSETGTLFNAVHKDDSQOYCIASNDAGA	ARCEGO	-DMEVYDLNIAIGGLVVLV	256		
Db	191	NPTTGELTFDPLASADTGEYSCAEANG	CVTPMTSNAVREAEVARNGVIAVALVTLLIL	250			
QY	257	AVITMGICCAVRRCGFISSKODGEYSK	SGKRDGNVYITS	--EEGDFHKSSFEVI	310		
Db	251	GILVFGIWFANISRGHFDRTKKCTSSKK	-----VIYSPSARSEGEFQOTSSFLV	299			

```

: RESULT 6
: US-09-254-465A-1
: Sequence 1, Application US/09254465A
: Patent No. 6410708
: GENERAL INFORMATION:
: APPLICANT: Genentech, Inc.
: APPLICANT: Ashkenazi, Avi J.
: APPLICANT: Fong, Sherman
: APPLICANT: Goddard, Audrey
: APPLICANT: Gurney, Austin L.
: APPLICANT: Napier, Mary A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Wood, William I.
: TITLE OF INVENTION: COMPOUNDS, COMPOSITIONS AND METHODS FOR THE TREATMENT
: OF INFECTIONS OF DISEASES CHARACTERIZED BY A33- RELATED ANTIGENS
: FILE REFERENCE: P1216R1(US)
: CURRENT APPLICATION NUMBER: US/09/254,465A
: CURRENT FILING DATE: 1999-03-05
: PRIOR APPLICATION NUMBER: PCT/US98/24855
: PRIOR FILING DATE: 1998-11-20
: PRIOR APPLICATION NUMBER: US 60/066,364
: PRIOR FILING DATE: 1997-11-21
: PRIOR APPLICATION NUMBER: US 60/078,936
: PRIOR FILING DATE: 1998-03-20
: PRIOR APPLICATION NUMBER: PCT/US98/19437
: PRIOR FILING DATE: 1998-09-17
: NUMBER OF SEQ ID NOS: 30

```

```

; LENGTH: 299
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-254-465A-1

Query Match      25.4% Score 415; DB 4; Length 299;
Best local similarity 33.8%; Pred. No. 9,9e-34;
Matches 100; Conservative 50; Mismatches 13; Indels 14; Gaps 6

QY 18 FLLLLFEGCMI EAVNLKSSNNRPVHFEFSEVELSCITTHSGTSDPRIEMKRIQDGQTTY 77
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 15 FILMLICLSLALGISTVATSWSEPEVRI PENNNPVKLSC--AYSCFSSPSPVEMKFDQGDTRL 72
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

QY 78 VFENKIQGLDLAGRIDVVGKTSLRIMWNTRRSSALYRCFVALNDRKEDETIELIYQY 137
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 73 VCYNNKRTIASYEDRR-TFLPTGITFFKSVTRDETGYTC-MVSEEGNSGYEKKVKLITLV 130
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

QY 138 KPVNVCIRIPAAVPVGGKATATLQCESEGYPRPHYSMYRNDVLPPTDSRANPRFFQNSFEHY 197
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 131 PPSKPTVNIPISSATIGNRAVLTLCSQDQDQSPSEYTWFKDGIYMPNNKPTRAFSSSSVYL 190
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

QY 198 NSEIGTLVFNAVHKDDSSQYCYCIASNDGAARCEQD-DMEYVDLNIAGIIGVLYVLYLV 256
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 191 NPTTGELVFDPLSASDYGVEYSCAEANGGTGTPNTSAVNRREAAVERNVGVIAAVLVLTLL 250
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

```



```
; ORGANISM: Homo sapiens
US-09-254-465A-25

Query Match
Best Local Similarity 34.6%; Pred. No. 1.9e-30;
Matches 88; Conservative 43; Mismatches 118; Indels 5; Gaps 4;

QY 31 AVNLKSSNNPNVYHEFESVLSCTIHTSOTSDPRIEMKKIODGQTYVYVFDNKIQDGLNG 90
DB 8 SYTVHSSEPEVRIPENNPKLSC--AYSGFSSPRVEMKFDQGGTTLVLCYNKNTIASYD 65
QY 91 RTDVFCKTSLRIWNTSRDSAIYRCEVALNDRKEVDEITIELIYOVKVTVCRIPAAV 150
DB 66 RV-TFLPTGCTFKSVYREDTGTYTC-MVSEEGNSYGEVKVLIYVPPSKPTVINIPSSA 123
QY 151 PVGKATATLQCESEGYPRPHYSYRNDVPLPTDSRANPRFONSSFHVNSSETGLVFNVAH 210
DB 124 TIGNRAVLTCSEBDGSPSEYTFMKDGIWPTNPKSTRAFSNSSYVLNPTTGLVFDPLS 183

211 KDDSGQYVCIASNDGAARCEGO-DMEVYDLNAGIIGVLLVLIYVAVITMGICAYRR 269
184 ASDTETSCSEARNGTPTPTSAVRAWEAVERNVGLAVALVTLILLGLVGIWPAYSR 243

QY 270 GCFISSKODESEYK 283
DB 244 GHFDRTKKTGSSKK 257

RESULT 10
US-09-462-270-4
; Sequence 4, Application US/09462270
; Patent No. 6358707
; GENERAL INFORMATION:
; APPLICANT: SmithKline Beecham Corporation
; TITLE OF INVENTION: Human Flt Antigen: A Cell Surface
; FILE REFERENCE: Receptor Involved in Platelet Aggregation
; CURRENT FILING DATE: GH-7015005
; CURRENT APPLICATION NUMBER: US/09/462,270
; PRIOR APPLICATION NUMBER: 2000-01-05
; PRIOR FILING DATE: 1997-07-10
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 205
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-09-462-270-4

Query Match
Best Local Similarity 33.5%; Pred. No. 1.1e-20;
Matches 64; Conservative 34; Mismatches 89; Indels 4; Gaps 3;
```

```
; Patent No. 5712369
; GENERAL INFORMATION:
; APPLICANT: Old, Lloyd J.; Welt, Sydney; Ritter, Gerd;
; APPLICANT: Simpson, Richard J.; Nice, Edward; Moritz, R. L.;
; APPLICANT: Catline, B. J.; Hong, Burgess, Anthony W.;
; APPLICANT: Heath, Joan K.; White, Sara J.; Johnstone, Cameron
; TITLE OF INVENTION: Colon Cell And Colon Cancer Cell
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felle & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/597,495B
; FILING DATE: 02-Feb-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/511,876
; FILING DATE: 04-Aug-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Hanson, No. 5712369man D.
; REGISTRATION NUMBER: 30,946
; REFERENCE/DOCKET NUMBER: LUD 5316.1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 688-9200
; TELEFAX: (212) 838-3884
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 319 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-597-495B-22

Query Match
Best Local Similarity 14.8%; Score 242.5; DB 1; Length 319;
Matches 80; Conservative 49; Mismatches 123; Indels 59; Gaps 12;
```



PRIOR APPLICATION NUMBER: US 60/078,936  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: PCT/US98/19437  
PRIOR FILING DATE: 1998-09-17  
NUMBER OF SEQ ID NOS: 30  
SEQ ID NO 6  
LENGTH: 319  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-254-465A-6

Query Match 14.8%; Score 242.5; DB 4; Length 319;  
Best Local Similarity 25.7%; Pred. No. 2.6e-16;  
Matches 80; Conservative 49; Mismatches 123; Indels 59; Gaps 12;

QY 29 IEAVNLKSSNRNPVHFEPSVELSCITTHSOTS--DRIEMKKIQDQGTYYV---FDNK 83  
DB 19 VDAISVEPQDVLRAISOGSVTLPCYV-HTSTSSREGLIQMDKLLTTHERVVYIMFPMK 77  
84 --IIGDL-----AGRTDVFCKTSLRMNVTRESDAIVRCEVVALNDKREVEDEIT 131  
78 NTHGELKYNRSISNNAEQSD---ASTTIDQLTMADNGTECSVLSMSDLEGNTKSRV 133  
QY 132 ELIVQKPTVPCRIPAAPVPGTATLQCOSEGYPRPHYSWYRNDY-----PLPTDSRA 186  
DB 134 RLVLVLPPEKPECGIEGETIIGNNIQLTQSKEGSPTPYSMKRYNLIHQEQLAPASG 193  
QY 187 NRPFONSSHVNSEGTLVFNAVHKDSCGYICIASNDAG-----AARCEGDMEVY 238  
DB 194 QP-----VSLKNISTDTSGYICTSSNEGTOFCNITVAVRSPSMNVALY 238  
QY 239 DLNAGIIGVLVLIIVLAVITMGICAVRGCFFISSKODG---ESYKSPGKHDSVNTI 294  
DB 239 ---VGIAVGVAALIIIGIT-IYCCCGCKGKDDNTEDKADRNREAYEPQLRELSE 293  
QY 295 RTSEEGDFRRK 305  
DB 294 EREEDDYRQE 304

## RESULT 15

US-09-068-051A-32  
Sequence 32, Application US/09068051A  
Patent No. 6291235

## GENERAL INFORMATION:

APPLICANT: Old, Lloyd J.; Welt, Sydney; Rittler, Gerd;  
Simpson, Richard J.; Nice, Edouard; Moritz, R. L.;  
Cattamel, B.; Ji, Hong; Burgess, Anthony W.;  
Heath, Joan K.; White, Sara J.; Johnstone, Cameron  
TITLE OF INVENTION: Colon Cell And Colon Cancer Cell  
Associated Nucleic Acid Molecules, Protein And Peptides

NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Fulbright & Jaworski LLP  
STREET: 666 Fifth Avenue  
CITY: New York City  
STATE: New York  
COUNTRY: USA  
ZIP: 10103

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: Wordperfect

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/068,051A  
FILING DATE: 10-Dec-1998  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/597,495  
FILING DATE: 02-Feb-1996  
APPLICATION NUMBER: 08/511,876  
FILING DATE: 04-Aug-1995

## ATTORNEY/AGENT INFORMATION:

NAME: Hanson, No. 6291235man D.  
REGISTRATION NUMBER: 30,946  
REFERENCE/DOCKET NUMBER: LUD 5316.2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 318-3168  
TELEFAX: (212) 752-5958

INFORMATION FOR SEQ ID NO: 32

## SEQUENCE CHARACTERISTICS:

LENGTH: 318 amino acids

TYPE: amino acid

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 32

US-09-068-051A-32

Query Match 14.7%; Score 240.5; DB 4; Length 318;  
Best Local Similarity 24.9%; Pred. No. 4e-16;  
Matches 73; Conservative 37; Mismatches 122; Indels 61; Gaps 10;

QY 48 SVELSCIT-THSOTSPRIEMKKIQDGT-----TYYV---FDNKIIGDLAQT 92  
DB 37 SVTLPTCTYNTYVSDRGGFTQMDKLLRSQTERVVTNMFVKYIYGNRYENRYV---VSD 93  
QY 93 DVFCKTSLRMNVTRESDAIVRCEVVALNDKREVEDEITELIVQKPTVPCRIPAAPV 152  
DB 94 AELSNASTITIDQLTMDDNGTTECSVLSMSDQVNAKSRVRLVLVLPSPKPDCSIQGEVI 153  
QY 153 GKATLQCOSESEGYPRPHYSW---YRNDVPLPTDSRANRPNFONSSFVNSETGLVFN 207  
DB 154 GNNIQLTCHSAECSPPQYSMSKYNANOQORPLTOPVSGEP-----LLK 198  
QY 208 AVHKDSCGYICIASNDAGARCE-----GDMEVYDLNAGIIGVLVLIYLA 259  
DB 199 NISTETAGYICTSSNDVGIESCNTITVADRPSPMNIALV---AGIAGSVFALLIIGVI 254  
QY 260 TWGICAYRGCFFISSKODG-----SYKSPGKHDSVNTIETSEGDFRRK 305  
DB 255 IVCCCRKED---DKDDREDARPRNRAAYQVPPKQKEISKREDEDDHRE 303

Search completed: January 15, 2003, 17:25:31  
Job time: 15.5 secs

**THIS PAGE BLANK (uspto)**



GenCore version 5.1.3  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: January 15, 2003, 17:24:17 : Search time 8.5 Seconds  
(without alignments)  
724.981 Million cell updates/sec

Title: US-09-524-531c-15

Perfect score: 1637

Sequence: 1 MALRRPRLRLCARLPDFLL.....VNYIRDEGDFRHKSPVI 310

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 120991 seqs, 19878514 residues

al number of hits satisfying chosen parameters: 120991

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published\_Applications\_AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep:\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCr\_NEW\_PUB.pep:\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep:\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep:\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep:\*
- 6: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*
- 7: /cgn2\_6/ptodata/1/pubpaa/PCrUS\_PUBCOMB.pep:\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep:\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep:\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep:\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep:\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep:\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:\*

Pred. NO. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1637	100.0	310	9	US-09-905-291A-423
2	1637	100.0	310	9	US-10-033-245-20
3	1637	100.0	310	9	US-10-033-223-20
4	1637	100.0	310	9	US-10-033-167-20
5	1637	100.0	310	9	US-09-902-853-423
6	1637	100.0	310	9	US-10-033-244-20
7	1637	100.0	310	9	US-09-907-824-423
8	1637	100.0	310	9	US-09-907-841-423
9	1637	100.0	310	9	US-09-904-011-423
10	1637	100.0	310	9	US-10-028-072-538
11	1637	100.0	310	10	US-09-909-320-423
12	1637	100.0	310	10	US-09-909-088B-423
13	1637	100.0	310	12	US-10-033-246-20
14	1637	100.0	310	12	US-10-033-301-20
15	1637	100.0	310	12	US-10-033-326-20
16	488	29.8	298	10	US-09-745-763-38
17	488	29.8	298	10	US-09-799-777-30
18	481	29.4	298	9	US-09-852-797-76
19	481	29.4	298	10	US-09-853-161-76

20	481	29.4	298	10	US-09-852-659A-76	Sequence 76, Appl
21	461.5	28.2	312	9	US-09-905-291A-64	Sequence 64, Appl
22	461.5	28.2	312	9	US-09-953-499-9	Sequence 9, Appl1
23	461.5	28.2	312	9	US-09-902-853-64	Sequence 64, Appl
24	461.5	28.2	312	9	US-09-907-824-64	Sequence 64, Appl
25	461.5	28.2	312	9	US-09-907-841-64	Sequence 64, Appl
26	461.5	28.2	312	9	US-09-904-011-64	Sequence 36, Appl
27	461.5	28.2	312	9	US-10-028-072-336	Sequence 36, Appl
28	461.5	28.2	312	10	US-09-909-320-64	Sequence 64, Appl
29	461.5	28.2	312	10	US-09-909-088B-64	Sequence 64, Appl
30	457.5	27.9	300	9	US-09-953-499-10	Sequence 10, Appl
31	424	25.9	299	9	US-09-905-291A-119	Sequence 119, Appl
32	424	25.9	299	9	US-10-066-500-91	Sequence 91, Appl
33	424	25.9	299	9	US-09-953-499-11	Sequence 11, Appl1
34	424	25.9	299	9	US-09-902-853-119	Sequence 119, Appl
35	424	25.9	299	9	US-09-907-824-119	Sequence 119, Appl
36	424	25.9	299	9	US-09-907-841-119	Sequence 119, Appl
37	424	25.9	299	9	US-09-904-011-119	Sequence 119, Appl
38	424	25.9	299	9	US-10-028-072-366	Sequence 366, Appl
39	424	25.9	299	10	US-09-799-777-51	Sequence 51, Appl
40	424	25.9	299	10	US-09-909-320-119	Sequence 119, Appl
41	424	25.9	299	10	US-09-909-088B-119	Sequence 119, Appl
42	402	24.6	301	10	US-09-764-853-540	Sequence 540, Appl
43	392.5	24.0	260	9	US-09-953-499-23	Sequence 23, Appl
44	392.5	24.0	263	9	US-09-953-499-25	Sequence 25, Appl
45	245.5	15.0	365	10	US-09-925-299-847	Sequence 847, Appl

#### ALIGNMENTS

RESULT 1

US-09-905-291A-423

Sequence 423, Application US/09905291A

Patent No. US20020160374A1

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.

APPLICANT: Ashkenazi, Avi

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Filvaroff, Ellen

APPLICANT: Fong, Sherman

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, A.

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, Christopher J.

APPLICANT: Gurney, Austin L.

APPLICANT: Hillan, Kenneth, J.

APPLICANT: Kijavlin, Ivar J.

APPLICANT: Mather, Jennie P.

APPLICANT: Pan, James

APPLICANT: Paonli, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William, I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

FILE REFERENCE: 10466-14

CURRENT APPLICATION NUMBER: US/09/905,291A

PRIOR FILING DATE: 2001-07-12

PRIOR APPLICATION NUMBER: PCT/US00/04414

PRIOR FILING DATE: 2000-02-22

PRIOR APPLICATION NUMBER: US 60/143,048

PRIOR FILING DATE: 1999-07-07

PRIOR APPLICATION NUMBER: US 60/145,698

PRIOR FILING DATE: 1999-07-26

PRIOR APPLICATION NUMBER: US 60/146,222

```

; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 423
; LENGTH: 310
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-905-291A-423
```

```

Query Match          100.0%; Score 1637; DB 9; Length 310;
Best Local Similarity 100.0%; Pred. No. 2e-108;
Matches 310; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

QY 1 MALRRPRLRLCARLPDFFLLFRGCLIGAVNLKSSNRTPVVOEFESVEISCITTDSDT 60
DB 1 MALRRPRLRLCARLPDFFLLFRGCLIGAVNLKSSNRTPVVOEFESVEISCITTDSDT 60
QY 61 SDPRLEWKKIODEQTYVFFDNKIOGDLAGRAELIGKTSLKIMWYTRDSALYRCEVVAR 120
DB 61 SDPRLEWKKIODEQTYVFFDNKIOGDLAGRAELIGKTSLKIMWYTRDSALYRCEVVAR 120
QY 121 NDKREIDIEIVELYQVQVPVPCVAKVPGKMATLHCQSESGHPRPHYSWYRNDVPL 180
DB 121 NDKREIDIEIVELYQVQVPVPCVAKVPGKMATLHCQSESGHPRPHYSWYRNDVPL 180
QY 121 NDKREIDIEIVELYQVQVPVPCVAKVPGKMATLHCQSESGHPRPHYSWYRNDVPL 180
DB 121 NDKREIDIEIVELYQVQVPVPCVAKVPGKMATLHCQSESGHPRPHYSWYRNDVPL 180
QY 181 PTDSRANRFRNSSPHLSEGTLVFTAVHKDDSGOYCIASNDGSAKCEQEMEYVDL 240
DB 181 PTDSRANRFRNSSPHLSEGTLVFTAVHKDDSGOYCIASNDGSAKCEQEMEYVDL 240
QY 241 NIGGIIGVVLVAVLALITIGICAYRGGYFINNKODESGYKNGKPGDGVYITDEEG 300
DB 241 NIGGIIGVVLVAVLALITIGICAYRGGYFINNKODESGYKNGKPGDGVYITDEEG 300
QY 301 DFRHKSFEVI 310
DB 301 DFRHKSFEVI 310
```

```

RESULT 2
US-10-033-245-20
; Sequence 20, Application US/10033245
; Patent No. US20020160392A1
; GENERAL INFORMATION:
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
```

```

; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2930RIC7
; CURRENT APPLICATION NUMBER: US/10/033,245
; CURRENT FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/095,325
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/112,851
; PRIOR FILING DATE: 1998-12-16
; PRIOR APPLICATION NUMBER: 60/113,145
; PRIOR FILING DATE: 1998-12-16
; PRIOR APPLICATION NUMBER: 60/113,511
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/115,558
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115,565
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115,733
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/119,341
; PRIOR FILING DATE: 1999-02-09
; PRIOR APPLICATION NUMBER: 60/119,537
; PRIOR FILING DATE: 1999-02-10
; PRIOR APPLICATION NUMBER: 60/119,965
; PRIOR FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: 60/162,506
; PRIOR FILING DATE: 1999-10-29
; PRIOR APPLICATION NUMBER: 60/170,262
; PRIOR FILING DATE: 1999-12-09
; PRIOR APPLICATION NUMBER: 60/187,202
; PRIOR FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: PCT/US99/12252
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: PCT/US99/28634
; PRIOR FILING DATE: 1999-12-01
; PRIOR APPLICATION NUMBER: PCT/US99/28551
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US00/03565
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: PCT/US00/08439
; PRIOR FILING DATE: 2000-03-30
; PRIOR APPLICATION NUMBER: PCT/US00/14941
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: PCT/US00/15264
; PRIOR FILING DATE: 2000-06-02
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: 2000-12-01
; NUMBER OF SEQ ID NOS: 38
; SEQ ID NO 20
; LENGTH: 310
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-033-245-20
```

```

Query Match          100.0%; Score 1637; DB 9; Length 310;
Best Local Similarity 100.0%; Pred. No. 2e-108;
Matches 310; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

QY 1 MALRRPRLRLCARLPDFFLLFRGCLIGAVNLKSSNRTPVVOEFESVEISCITTDSDT 60
DB 1 MALRRPRLRLCARLPDFFLLFRGCLIGAVNLKSSNRTPVVOEFESVEISCITTDSDT 60
```



```

; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2930R1C10
; CURRENT APPLICATION NUMBER: US/10/033,167
; CURRENT FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/095,325
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/112,851
; PRIOR FILING DATE: 1998-12-16
; PRIOR APPLICATION NUMBER: 60/113,145
; PRIOR FILING DATE: 1998-12-16
; PRIOR APPLICATION NUMBER: 60/113,511
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/115,558
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115,565
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115,733
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/119,341
; PRIOR FILING DATE: 1999-02-09
; PRIOR APPLICATION NUMBER: 60/119,537
; PRIOR FILING DATE: 1999-02-10
; PRIOR APPLICATION NUMBER: 60/119,965
; PRIOR FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: 60/162,506
; PRIOR FILING DATE: 1999-10-29
; PRIOR APPLICATION NUMBER: 60/170,262
; PRIOR FILING DATE: 1999-12-09
; PRIOR APPLICATION NUMBER: 60/187,202
; PRIOR FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: PCT/US99/12252
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: PCT/US99/28634
; PRIOR FILING DATE: 1999-12-01
; PRIOR APPLICATION NUMBER: PCT/US99/28551
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US00/03565
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: PCT/US00/08439
; PRIOR FILING DATE: 2000-03-30
; PRIOR APPLICATION NUMBER: PCT/US00/14941
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: PCT/US00/15264
; PRIOR FILING DATE: 2000-06-02
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: 2000-12-01
; NUMBER OF SEQ ID NOS: 38
; SEQ ID NO 20
; LENGTH: 310
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-033-167-20

Query Match      100.0%: Score 1637: DB 9: Length 310:
Best Local Similarity 100.0%: Pred. No. 2e-108:
Matches 310: Conservative 0: Mismatches 0: Indels 0: Gaps 0:

```

```

QY 1 MALRRPRLRLCARLPDFLLLLFRGCLLGAVALKSSNRPVVOEFESVLSCTITDSQT 60
DB 1 MALRRPRLRLCARLPDFLLLLFRGCLLGAVALKSSNRPVVOEFESVLSCTITDSQT 60
QY 61 SDPRIEMKKIODEQTTYVFFDNKIOGDLGRAEILGKTSLSKIMWYTRDSALYREVVAR 120
DB 61 SDPRIEMKKIODEQTTYVFFDNKIOGDLGRAEILGKTSLSKIMWYTRDSALYREVVAR 120
QY 121 NDRKIDELIVLTIVQVAPYTVCAVPKAPVPGKMATLHCQSEGHPRPHYSMYRNDVPL 180
DB 121 NDRKIDELIVLTIVQVAPYTVCAVPKAPVPGKMATLHCQSEGHPRPHYSMYRNDVPL 180

```

```

QY 181 PTDSRANPRFRNSSPHLNSGTGTLVFTAVHKDDSGQYYCIASNDAGSARCEQEMEVYDL 240
DB 181 PTDSRANPRFRNSSPHLNSGTGTLVFTAVHKDDSGQYYCIASNDAGSARCEQEMEVYDL 240
QY 241 NIGGIIGVLYLVAVLALITIGICAYRRGFFINNKQGESIKNKGKDGWYIITDEEG 300
DB 241 NIGGIIGVLYLVAVLALITIGICAYRRGFFINNKQGESIKNKGKDGWYIITDEEG 300
QY 301 DFRHKSIFYI 310
DB 301 DFRHKSIFYI 310

RESULT 5
US-09-902-853-423
; Sequence 423, Application US/09902853
; Publication No. US20020192639A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tunas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,853
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: US/09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565

```



Db 301 DFRHKSFEVI 310

```
RESULT 7
US-09-907-824-423
; Sequence 423, Application US/09907824
; Publication No. US20020197671A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertschen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907, 824
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143, 048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145, 698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146, 222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
```

```
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 423
; LENGTH: 310
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-907-824-423
```

```
Query Match 100.0%; Score 1637; DB 9; Length 310;
Best Local Similarity 100.0%; Pred. No. 2e-108;
Matches 310; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 MALRRPRLRLCARLPDPFLLLFGRCLIGAVNLKSSNRPVVOEFSEYELSCITDSDT 60
DB 1 MALRRPRLRLCARLPDPFLLLFGRCLIGAVNLKSSNRPVVOEFSEYELSCITDSDT 60
QY 61 SPPRIEMKKIODEQTTYYFEDNKKIGDLAGRAEIIIGKTSIKIWNVTRDSALYRCEVVAR 120
DB 61 SPPRIEMKKIODEQTTYYFEDNKKIGDLAGRAEIIIGKTSIKIWNVTRDSALYRCEVVAR 120
QY 121 NDRKETDEIVIEIYQVQKRPVTPVCAPKAPVPYGMATLHCQSEGHPRPHYSWYRNDVPL 180
DB 121 NDRKETDEIVIEIYQVQKRPVTPVCAPKAPVPYGMATLHCQSEGHPRPHYSWYRNDVPL 180
QY 181 PDSRANPRFRNSPFLNSETGLVFTAVHKDSSGOYYCIASNDAGSARCEQEMEVYDL 240
DB 181 PDSRANPRFRNSPFLNSETGLVFTAVHKDSSGOYYCIASNDAGSARCEQEMEVYDL 240
QY 241 NIGGIIGVLYVLAVALITLIGICAYRRGYFTNNKQDESKNGKPDGVNVIITDEEG 300
DB 241 NIGGIIGVLYVLAVALITLIGICAYRRGYFTNNKQDESKNGKPDGVNVIITDEEG 300
QY 301 DFRHKSFEVI 310
DB 301 DFRHKSFEVI 310

RESULT 8
US-09-907-841-423
; Sequence 423, Application US/09907841
; Publication No. US20020198366A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertschen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907, 841
; PRIOR FILING DATE: 2001-11-20
```

```

: PRIOR APPLICATION NUMBER: PCT/US00/04414
: PRIOR FILING DATE: 2000-02-22
: PRIOR APPLICATION NUMBER: US 60/143,048
: PRIOR FILING DATE: 1999-07-07
: PRIOR APPLICATION NUMBER: US 60/145,698
: PRIOR FILING DATE: 1999-07-26
: PRIOR APPLICATION NUMBER: US 60/146,222
: PRIOR FILING DATE: 1999-07-28
: PRIOR APPLICATION NUMBER: PCT/US99/20594
: PRIOR FILING DATE: 1999-09-08
: PRIOR APPLICATION NUMBER: PCT/US99/20944
: PRIOR FILING DATE: 1999-09-13
: PRIOR APPLICATION NUMBER: PCT/US99/21090
: PRIOR FILING DATE: 1999-09-15
: PRIOR APPLICATION NUMBER: PCT/US99/21547
: PRIOR FILING DATE: 1999-09-15
: PRIOR APPLICATION NUMBER: PCT/US99/23089
: PRIOR FILING DATE: 1999-10-05
: PRIOR APPLICATION NUMBER: PCT/US99/28214
: PRIOR FILING DATE: 1999-11-29
: Remaining Prior Application data removed - See File Wrapper or PALM.
: NUMBER OF SEQ ID NOS: 423
: SEQ ID NO 423
: LENGTH: 310
: TYPE: PRT
: ORGANISM: Homo Sapien
US-09-907-841-423
```

```

Query Match          100.0%; Score 1637; DB 9; Length 310;
Best Local Similarity 100.0%; Pred. No. 2e-108;
Matches 310; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

Qy 1 MALRRPRLRCARLPDFFLLLFRCGLIGAVNKKSNRTFVVOEFESVELSCITTDSCOT 60
Db 1 MALRRPRLRCARLPDFFLLLFRCGLIGAVNKKSNRTFVVOEFESVELSCITTDSCOT 60
Qy 61 SDPRIEMKKIODEQTYVFFDNKIOGDLGRAEILGKTSIKIMWYTRDSALYRCEVVAR 120
Db 61 SDPRIEMKKIODEQTYVFFDNKIOGDLGRAEILGKTSIKIMWYTRDSALYRCEVVAR 120
Qy 121 NDRKIDEIVIELTVQVPRVPCVPRKAVPVGKMATLHCQESGHPRHYSWYRNDVPL 180
Db 121 NDRKIDEIVIELTVQVPRVPCVPRKAVPVGKMATLHCQESGHPRHYSWYRNDVPL 180
Qy 181 PTDSANRFRNRSFHLNSETGLVFTAVHKDSCGYCIASNDGASARCEQEMEVYDL 240
Db 181 PTDSANRFRNRSFHLNSETGLVFTAVHKDSCGYCIASNDGASARCEQEMEVYDL 240
Qy 241 NIGGIIGVLVAVLALITLIGCCAYRGRGYFINNKKODESYPKNGKPDGVYIRTDDEG 300
Db 241 NIGGIIGVLVAVLALITLIGCCAYRGRGYFINNKKODESYPKNGKPDGVYIRTDDEG 300
Qy 301 DFRHKSFEVI 310
Db 301 DFRHKSFEVI 310
```

```

RESULT 9
US-09-904-011-423
: Sequence 423, Application US/09904011
: Publication No. US20030003530A1
: GENERAL INFORMATION:
: APPLICANT: Genentech, Inc.
: APPLICANT: Ashkenazi, Avi
: APPLICANT: Botstein, David
: APPLICANT: Desnoyers, Luc
: APPLICANT: Eaton, Dan L.
: APPLICANT: Ferrara, Napoleone
: APPLICANT: Filvaroff, Ellen
: APPLICANT: Fong, Sherman
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Gerber, Hanspeter
: APPLICANT: Gerltsen, Mary E.
```

```

: APPLICANT: Goddard, A.
: APPLICANT: Godowski, Paul J.
: APPLICANT: Grimaldi, Christopher J.
: APPLICANT: Guiney, Austin L.
: APPLICANT: Hillan, Kenneth, J.
: APPLICANT: Kijavlin, Ivar J.
: APPLICANT: Mather, Jennie P.
: APPLICANT: Pan, James
: APPLICANT: Paoni, Nicholas F.
: APPLICANT: Roy, Margaret Ann
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Williams, P. Mickey
: APPLICANT: Wood, William, I.
: TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
: FILE REFERENCE: 10466-14
: CURRENT APPLICATION NUMBER: US/09/904,011
: PRIOR FILING DATE: 2001-07-11
: PRIOR APPLICATION NUMBER: 09/665,350
: PRIOR FILING DATE: 2000-09-18
: PRIOR APPLICATION NUMBER: PCT/US00/04414
: PRIOR FILING DATE: 2000-02-22
: PRIOR APPLICATION NUMBER: US 60/143,048
: PRIOR FILING DATE: 1999-07-07
: PRIOR APPLICATION NUMBER: US 60/145,698
: PRIOR FILING DATE: 1999-07-26
: PRIOR APPLICATION NUMBER: US 60/146,222
: PRIOR FILING DATE: 1999-07-28
: PRIOR APPLICATION NUMBER: PCT/US99/20594
: PRIOR FILING DATE: 1999-09-08
: PRIOR APPLICATION NUMBER: PCT/US99/20944
: PRIOR FILING DATE: 1999-09-13
: PRIOR APPLICATION NUMBER: PCT/US99/21090
: PRIOR FILING DATE: 1999-09-15
: PRIOR APPLICATION NUMBER: PCT/US99/21547
: PRIOR FILING DATE: 1999-09-15
: PRIOR APPLICATION NUMBER: PCT/US99/23089
: PRIOR FILING DATE: 1999-10-05
: PRIOR APPLICATION NUMBER: PCT/US99/28214
: PRIOR FILING DATE: 1999-11-29
: PRIOR APPLICATION NUMBER: PCT/US99/28313
: PRIOR FILING DATE: 1999-11-30
: PRIOR APPLICATION NUMBER: PCT/US99/28564
: PRIOR FILING DATE: 1999-12-02
: PRIOR APPLICATION NUMBER: PCT/US99/28565
: PRIOR FILING DATE: 1999-12-02
: PRIOR APPLICATION NUMBER: PCT/US99/30095
: PRIOR FILING DATE: 1999-12-16
: PRIOR APPLICATION NUMBER: PCT/US99/30911
: PRIOR FILING DATE: 1999-12-20
: PRIOR APPLICATION NUMBER: PCT/US99/30999
: PRIOR FILING DATE: 1999-12-20
: PRIOR APPLICATION NUMBER: PCT/US00/00219
: PRIOR FILING DATE: 2000-01-05
: NUMBER OF SEQ ID NOS: 423
: SEQ ID NO 423
: LENGTH: 310
: TYPE: PRT
: ORGANISM: Homo Sapien
US-09-904-011-423
```

```

Query Match          100.0%; Score 1637; DB 9; Length 310;
Best Local Similarity 100.0%; Pred. No. 2e-108;
Matches 310; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MALRRPRLRCARLPDFFLLLFRCGLIGAVNKKSNRTFVVOEFESVELSCITTDSCOT 60
Db 1 MALRRPRLRCARLPDFFLLLFRCGLIGAVNKKSNRTFVVOEFESVELSCITTDSCOT 60
Qy 61 SDPRIEMKKIODEQTYVFFDNKIOGDLGRAEILGKTSIKIMWYTRDSALYRCEVVAR 120
Db 61 SDPRIEMKKIODEQTYVFFDNKIOGDLGRAEILGKTSIKIMWYTRDSALYRCEVVAR 120
```

QY 121 NDRKDEIVELTVQVKPVTVCVRAVPGKMATLHCQESGHPHYSWT RNDVPL 180  
121 NDRKDEIVELTVQVKPVTVCVRAVPGKMATLHCQESGHPHYSWT RNDVPL 180  
QY 181 PTDSRAPRFRNSSFHLNSETGLVFTAVHNDSDGQYCYCIASNAGSARCEOEWEYDL 240  
181 PTDSRAPRFRNSSFHLNSETGLVFTAVHNDSDGQYCYCIASNAGSARCEOEWEYDL 240  
QY 241 NIGGIIGVLVAVLALITLGTCCAYRGYFNNKODGESYKNPKPDGVNYIRTDDEG 300  
241 NIGGIIGVLVAVLALITLGTCCAYRGYFNNKODGESYKNPKPDGVNYIRTDDEG 300  
QY 301 DFRHKSFFVI 310  
301 DFRHKSFFVI 310  
Db 301 DFRHKSFFVI 310

RESULT 10  
US-028-072-538  
Sequence 538, Application US/10028072  
Application No. US20030004311A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: Deforge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gettitsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Collin K  
APPLICANT: Wood, William  
APPLICANT: Zhang  
TITLE OR INVENTION:  
FILE REFERENCE:  
CURRENT APPLICATION NUMBER: US/10/028.072  
CURRENT FILING DATE: 2001-12-19  
PRIOR APPLICATION NUMBER: 60/049911  
PRIOR FILING DATE: 1997-06-18  
PRIOR APPLICATION NUMBER: 60/056974  
PRIOR FILING DATE: 1997-08-26  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059115  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059117  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059122  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059184  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059352  
PRIOR FILING DATE: 1997-09-19  
PRIOR APPLICATION NUMBER: 60/059588  
PRIOR FILING DATE: 1997-09-19  
PRIOR APPLICATION NUMBER: 60/059836  
PRIOR FILING DATE: 1997-09-24  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/062285  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/062287  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/062814

PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/062816  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063045  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063082  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/063127  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063327  
PRIOR FILING DATE: 1997-10-27  
PRIOR APPLICATION NUMBER: 60/063329  
PRIOR FILING DATE: 1997-10-27  
PRIOR APPLICATION NUMBER: 60/063550  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063561  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063704  
PRIOR FILING DATE: 1997-10-29  
PRIOR APPLICATION NUMBER: 60/063733  
PRIOR FILING DATE: 1997-10-29  
PRIOR APPLICATION NUMBER: 60/063735  
PRIOR FILING DATE: 1997-10-29  
PRIOR APPLICATION NUMBER: 60/063738  
PRIOR FILING DATE: 1997-10-29  
PRIOR APPLICATION NUMBER: 60/063755  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/064248  
PRIOR FILING DATE: 1997-11-03  
PRIOR APPLICATION NUMBER: 60/064809  
PRIOR FILING DATE: 1997-11-07  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065846  
PRIOR FILING DATE: 1997-11-17  
PRIOR APPLICATION NUMBER: 60/066364  
PRIOR FILING DATE: 1997-11-21  
PRIOR APPLICATION NUMBER: 60/066453  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/066511  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/069212  
PRIOR FILING DATE: 1997-12-11  
PRIOR APPLICATION NUMBER: 60/069278  
PRIOR FILING DATE: 1997-12-11  
PRIOR APPLICATION NUMBER: 60/069334  
PRIOR FILING DATE: 1997-12-11  
PRIOR APPLICATION NUMBER: 60/069694  
PRIOR FILING DATE: 1997-12-16  
PRIOR APPLICATION NUMBER: 60/072320  
PRIOR FILING DATE: 1998-01-23  
PRIOR APPLICATION NUMBER: 60/073612  
PRIOR FILING DATE: 1998-02-04  
PRIOR APPLICATION NUMBER: 60/074086  
PRIOR FILING DATE: 1998-02-09  
PRIOR APPLICATION NUMBER: 60/074092  
PRIOR FILING DATE: 1998-02-09  
PRIOR APPLICATION NUMBER: 60/077791  
PRIOR FILING DATE: 1998-03-12  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/079294  
PRIOR FILING DATE: 1998-03-25  
PRIOR APPLICATION NUMBER: 60/079663  
PRIOR FILING DATE: 1998-02-27  
PRIOR APPLICATION NUMBER: 60/079728  
PRIOR FILING DATE: 1998-03-27  
PRIOR APPLICATION NUMBER: 60/080165  
PRIOR FILING DATE: 1998-03-31  
PRIOR APPLICATION NUMBER: 60/081203  
PRIOR FILING DATE: 1998-04-09



PRIOR APPLICATION NUMBER: 60/081229  
PRIOR FILING DATE: 1998-04-09  
PRIOR APPLICATION NUMBER: 60/081695  
PRIOR FILING DATE: 1998-04-14  
PRIOR APPLICATION NUMBER: 60/081817  
PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/081818  
PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/082999  
PRIOR FILING DATE: 1998-04-24  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/083545  
PRIOR FILING DATE: 1998-04-29  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/084627  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/084637  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/085149  
PRIOR FILING DATE: 1998-05-12  
PRIOR APPLICATION NUMBER: 60/085323  
PRIOR FILING DATE: 1998-05-13  
PRIOR APPLICATION NUMBER: 60/085338  
PRIOR FILING DATE: 1998-05-13  
PRIOR APPLICATION NUMBER: 60/085339  
PRIOR FILING DATE: 1998-05-13  
PRIOR APPLICATION NUMBER: 60/085579  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/085697  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/085704  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/086414  
PRIOR FILING DATE: 1998-05-22  
PRIOR APPLICATION NUMBER: 60/086430  
PRIOR FILING DATE: 1998-05-22  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/088026  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088730  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088741  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088810  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088858  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089599  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089947  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090538  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090863  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/091360  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091519  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091982

PRIOR FILING DATE: 1998-07-07  
Query Match 100.0%; Score 1637; DB 9; Length 310;  
Best Local Similarity 100.0%; Pred. No. 2e-108;  
Matches 310; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MALRRPRLRLCARLPDFLLLLFRGCLLGAVNLKSSNTPVVOFESEVLSCTITDSOT 60  
DB 1 MALRRPRLRLCARLPDFLLLLFRGCLLGAVNLKSSNTPVVOFESEVLSCTITDSOT 60  
QY 61 SDPRIEMKKIODEQTTYYFEDNKIOGDLGRAEIIIGKTSLSKIMNTYRDSALRYCEVVAR 120  
DB 61 SDPRIEMKKIODEQTTYYFEDNKIOGDLGRAEIIIGKTSLSKIMNTYRDSALRYCEVVAR 120  
QY 121 NDRKEIDEIVIELVQVKRPVPCVCAVPAVYKNAATLHCQSEGHPRPHYSWYRNDVPL 180  
DB 121 NDRKEIDEIVIELVQVKRPVPCVCAVPAVYKNAATLHCQSEGHPRPHYSWYRNDVPL 180  
QY 181 PTDSSRANPRFRSSPHLNSETGLVFTAVHKDSCQYCIASNDGASARCEQEMEVYDL 240  
DB 181 PTDSSRANPRFRSSPHLNSETGLVFTAVHKDSCQYCIASNDGASARCEQEMEVYDL 240  
QY 241 NIGGIIGGVLYLVAVLATITLIGICCAVRRGYFTINNKODESYKPNQKPDGVNYIRTDEEG 300  
DB 241 NIGGIIGGVLYLVAVLATITLIGICCAVRRGYFTINNKODESYKPNQKPDGVNYIRTDEEG 300  
QY 301 DFRHKSFEVI 310  
DB 301 DFRHKSFEVI 310  
RESULT 11  
US-09-909-320-423  
Sequence 423, Application US/09909320  
Patent No. US2002013240A1  
GENERAL INFORMATION:  
APPLICANT: Genentech, Inc.  
APPLICANT: Ashkenazi, Avi  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, A.  
APPLICANT: Grimaldi, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Hillan, Kenneth J.  
APPLICANT: Kijavito, Ivar J.  
APPLICANT: Mather, Jennie P.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: 10466-14  
CURRENT APPLICATION NUMBER: US/09/909,320  
CURRENT FILING DATE: 2002-01-04  
PRIOR APPLICATION NUMBER: PCF/US00/04414  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: US 60/143,048  
PRIOR FILING DATE: 1999-07-07  
PRIOR APPLICATION NUMBER: US 60/145,698  
PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: US 60/146,222

```

; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 423
; LENGTH: 310
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-909-320-423
```

Query Match 100.0%; Score 1637; DB 10; Length 310;

Best Local Similarity 100.0%; Pred. No. 2e-108; Matches 310; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 MALRRPRLRLCARLPDFFLLFRGCLIGAVNLKSSNRTPVQEFESVELSCITTSQ 60
D 1 MALRRPRLRLCARLPDFFLLFRGCLIGAVNLKSSNRTPVQEFESVELSCITTSQ 60
QY 61 SDPRLEWKIKDEQTYTFYFENKIQGDIAGRAEIIIGKTSIKIWNVTRDSALYRCEV 120
D 61 SDPRLEWKIKDEQTYTFYFENKIQGDIAGRAEIIIGKTSIKIWNVTRDSALYRCEV 120
QY 121 NDRKEIDIVIELTYQVAPVTPVCRKAVPYGKMATLHCQSESGHPRPHYSWYNDVPL 180
D 121 NDRKEIDIVIELTYQVAPVTPVCRKAVPYGKMATLHCQSESGHPRPHYSWYNDVPL 180
QY 181 PTDSRANRFRNSSFHLNSETGLVFTAVHKDDSGQYCIASNDAGSARCEQEMEYVDL 240
D 181 PTDSRANRFRNSSFHLNSETGLVFTAVHKDDSGQYCIASNDAGSARCEQEMEYVDL 240
QY 241 NIGGIGVLYVAVLALITIGICAYRGYFINNKQGESYKNGKDGAVYITDEBG 300
D 241 NIGGIGVLYVAVLALITIGICAYRGYFINNKQGESYKNGKDGAVYITDEBG 300
QY 301 DFRHSSFYI 310
D 301 DFRHSSFYI 310
```

RESULT 12

US-09-909-088B-423

; Sequence 423; Application US/09909088B

; Patent No. US20020146709A1

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

```

; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,088B
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 423
; LENGTH: 310
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-909-088B-423
```

Query Match 100.0%; Score 1637; DB 10; Length 310;

Best Local Similarity 100.0%; Pred. No. 2e-108; Matches 310; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 MALRRPRLRLCARLPDFFLLFRGCLIGAVNLKSSNRTPVQEFESVELSCITTSQ 60
D 1 MALRRPRLRLCARLPDFFLLFRGCLIGAVNLKSSNRTPVQEFESVELSCITTSQ 60
```

Oy	61	SDPRLKMKIODEOTTYVFPFNKLOGDLAGRAELTGKTSLKIMVTBRDSDLATCEVYAR	120
Dd	61	SDPRLKMKIODEOTTYVFPFNKLOGDLAGRAELTGKTSLKIMVTBRDSDLATCEVYAR	120
Oy	121	NDRKEIDIEIVIELTVQVKPVTPVCGRVPKAPVPGMATLHCQESGCHRPHPYSWYRNDVPL	180
Dd	121	NDRKEIDIEIVIELTVQVVPVTPVCGRVPKAPVPGMATLHCQESGCHRPHPYSWYRNDVPL	180
Oy	181	PTDSANRFRFNSSEPHLNSETGTLVFTAVAHKDDSGOYYCIASNDAGSARCEDEMEYVDL	240
Dd	181	PTDSANRFRFNSSEHNLNSETGLTVAFAVHKDDSGOYYCIASNDAGSARCEDEMEYVDL	240
Oy	241	NIGGIIGGVVLVLAVALITLGICACAYRGYFINNKODGESYKNPKGPPDVVNVIIRTDDEG	300
Dd	241	NIGGIIGGVVLVLAVALITLGICACAYRGYFINNKODGESYKNPKGPPDVVNVIIRTDDEG	300
Oy	301	DPRKKSSFVI 310 	
Dd	301	DPRKKSSFVI 310 	

```

RESULT 13
US-10-033-246-20
: Sequence 20, Application US/10033246
: Patent No. US20020098505A1
: GENERAL INFORMATION:
: APPLICANT: Botstein, David
: APPLICANT: Desnoyers, Luc
: APPLICANT: Ferrara, Napoleone
: APPLICANT: Fong, Sherman
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Goddard, Audrey
: APPLICANT: Gurney, Austin L.
: APPLICANT: Pan, James
: APPLICANT: Roy, Margaret Ann
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Watanabe, Collin K.
: APPLICANT: Wood, William I.
: TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
: TITLE OF INVENTION: Acids Encoding the Same
: FILE REFERENCE: P2930R1C12
: CURRENT APPLICATION NUMBER: US/10/033,246
: CURRENT FILING DATE: 2001-12-28
: PRIOR APPLICATION NUMBER: 60/095,325
: PRIOR FILING DATE: 1998-08-04
: PRIOR APPLICATION NUMBER: 60/112,851
: PRIOR FILING DATE: 1998-12-16
: PRIOR APPLICATION NUMBER: 60/113,145
: PRIOR FILING DATE: 1998-12-16
: PRIOR APPLICATION NUMBER: 60/113,511
: PRIOR FILING DATE: 1998-12-22
: PRIOR APPLICATION NUMBER: 60/115,558
: PRIOR FILING DATE: 1999-01-12
: PRIOR APPLICATION NUMBER: 60/115,565
: PRIOR FILING DATE: 1999-01-12
: PRIOR APPLICATION NUMBER: 60/115,733
: PRIOR FILING DATE: 1999-01-12
: PRIOR APPLICATION NUMBER: 60/119,341
: PRIOR FILING DATE: 1999-02-09
: PRIOR APPLICATION NUMBER: 60/119,537
: PRIOR FILING DATE: 1999-02-10
: PRIOR APPLICATION NUMBER: 60/119,965
: PRIOR FILING DATE: 1999-02-12
: PRIOR APPLICATION NUMBER: 60/162,506
: PRIOR FILING DATE: 1999-10-29
: PRIOR APPLICATION NUMBER: 60/170,262
: PRIOR FILING DATE: 1999-12-09
: PRIOR APPLICATION NUMBER: 60/187,202
: PRIOR FILING DATE: 2000-03-03
: PRIOR APPLICATION NUMBER: PCT/US99/12252
: PRIOR FILING DATE: 1999-06-02

```

```

? PRIOR APPLICATION NUMBER: PCT/US99/28634
? PRIOR FILING DATE: 1999-12-01
? PRIOR APPLICATION NUMBER: PCT/US99/28551
? PRIOR FILING DATE: 1999-12-02
? PRIOR APPLICATION NUMBER: PCT/US00/03565
? PRIOR FILING DATE: 2000-02-11
? PRIOR APPLICATION NUMBER: PCT/US00/04414
? PRIOR FILING DATE: 2000-02-22
? PRIOR APPLICATION NUMBER: PCT/US00/05861
? PRIOR FILING DATE: 2000-03-02
? PRIOR APPLICATION NUMBER: PCT/US00/08439
? PRIOR FILING DATE: 2000-03-30
? PRIOR APPLICATION NUMBER: PCT/US00/14941
? PRIOR FILING DATE: 2000-05-30
? PRIOR APPLICATION NUMBER: PCT/US00/15264
? PRIOR FILING DATE: 2000-06-02
? PRIOR APPLICATION NUMBER: PCT/US00/32678
? PRIOR FILING DATE: 2000-12-01
? NUMBER OF SEO ID NOS: 38
? SEO ID NO 20
? LENGTH: 310
? TYPE: prf
? ORGANISM: Homo sapiens
US-10-033-246-20

```

Query Match	100.0%	Score 1637;	DB 12;	Length 310;
Best Local Similarity	100.0%	Pred. No. 2e-108;		
Matches 310; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0;

Qy	1	MAARRPPLRLC	ALPDP	ELLLLL	FRGL	IGAVNLKSSNRP	PVVOE	FSVSL	SLC	ITD	SQT	60
Dp	1	MALRRPPLRLC	ARLPDP	ELLLLL	FRGL	IGAVNLKSSNRP	PVVOE	FSVSL	SLC	ITD	SQT	60
Qy	61	SDPRLEMK	IODEOT	TYVVE	FDNK	IOGDL	AGRAELTG	KTSLK	INWVT	RRDSAL	RCEV	VAR
Dp	61	SDPRLEMK	IODEOT	TYVVE	FDNK	IOGDL	AGRAELTG	KTSLK	INWVT	RRDSAL	RCEV	VAR
Qy	121	NDKREIDEI	VELTVQVK	PVTPVC	RVRAK	APVGM	ATLHCO	ESGHP	RRPHY	SWY	RND	VPL
Dp	121	NDKREIDEI	VELTVQVK	PVTPVC	RVRAK	APVGM	ATLHCO	ESGHP	RRPHY	SWY	RND	VPL
Qy	181	PTDSRANPR	FRNSSF	HLNSET	GTGLV	PTAV	HKD	SGQYY	CIAS	NDAGS	SARCE	DEMEVYDL
Dp	181	PTDSRANPR	FRNSSF	HLNSET	GTGLV	PTAV	HKD	SGQYY	CIAS	NDAGS	SARCE	DEMEVYDL
Qy	241	NIGGIGCV	LVLVLA	LITL	IGTC	AVR	GF	INNK	DG	SYKN	PKG	PDG
Dp	241	NIGGIGCV	LVLVLA	LITL	IGTC	AVR	GF	INNK	DG	SYKN	PKG	PDG
Qy	301	DEFRKSS	SVFI	310	IIIIIIIIII							
Dp	301	DEFRKSS	SVFI	310	IIIIIIIIII							

RESULT 14  
 US-10-033-301-20  
 : Sequence 20, Application US/10033301  
 : Patent No. US20020098506A1  
 : GENERAL INFORMATION:  
 : APPLICANT: Botstein, David  
 : APPLICANT: Desnoyers, Luc  
 : APPLICANT: Ferrara, Napoleone  
 : APPLICANT: Fong, Sherman  
 : APPLICANT: Gao, Wei-Qiang  
 : APPLICANT: Goddard, Audrey  
 : APPLICANT: Gurney, Austin L.  
 : APPLICANT: Pan, James  
 : APPLICANT: Roy, Margaret Ann  
 : APPLICANT: Stewart, Timothy A.  
 : APPLICANT: Tumas, Daniel  
 : APPLICANT: Watanabe, Colin K.  
 : APPLICANT: Wood, William I.  
 : TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

```

: TITLE OF INVENTION: Acids Encoding the Same
: FILE REFERENCE: P2930R1C6
: CURRENT APPLICATION NUMBER: US/10/033,301
: CURRENT FILING DATE: 2001-12-27
: PRIOR APPLICATION NUMBER: 60/095,325
: PRIOR FILING DATE: 1998-08-04
: PRIOR APPLICATION NUMBER: 60/112,851
: PRIOR FILING DATE: 1998-12-16
: PRIOR APPLICATION NUMBER: 60/113,145
: PRIOR FILING DATE: 1998-12-16
: PRIOR APPLICATION NUMBER: 60/113,511
: PRIOR FILING DATE: 1998-12-22
: PRIOR APPLICATION NUMBER: 60/115,558
: PRIOR FILING DATE: 1999-01-12
: PRIOR APPLICATION NUMBER: 60/115,565
: PRIOR FILING DATE: 1999-01-12
: PRIOR APPLICATION NUMBER: 60/115,733
: PRIOR FILING DATE: 1999-01-12
: PRIOR APPLICATION NUMBER: 60/119,341
: PRIOR FILING DATE: 1999-02-09
: PRIOR APPLICATION NUMBER: 60/119,537
: PRIOR FILING DATE: 1999-02-10
: PRIOR APPLICATION NUMBER: 60/119,965
: PRIOR FILING DATE: 1999-02-12
: PRIOR APPLICATION NUMBER: 60/162,506
: PRIOR FILING DATE: 1999-10-29
: PRIOR APPLICATION NUMBER: 60/170,262
: PRIOR FILING DATE: 1999-12-09
: PRIOR APPLICATION NUMBER: 60/187,202
: PRIOR FILING DATE: 2000-03-03
: PRIOR APPLICATION NUMBER: PCT/US99/12252
: PRIOR FILING DATE: 1999-06-02
: PRIOR APPLICATION NUMBER: PCT/US99/28634
: PRIOR FILING DATE: 1999-12-01
: PRIOR APPLICATION NUMBER: PCT/US99/28551
: PRIOR FILING DATE: 1999-12-02
: PRIOR APPLICATION NUMBER: PCT/US00/03565
: PRIOR FILING DATE: 2000-02-11
: PRIOR APPLICATION NUMBER: PCT/US00/04414
: PRIOR FILING DATE: 2000-02-22
: PRIOR APPLICATION NUMBER: PCT/US00/05841
: PRIOR FILING DATE: 2000-03-02
: PRIOR APPLICATION NUMBER: PCT/US00/08439
: PRIOR FILING DATE: 2000-03-30
: PRIOR APPLICATION NUMBER: PCT/US00/14941
: PRIOR FILING DATE: 2000-05-30
: PRIOR APPLICATION NUMBER: PCT/US00/15264
: PRIOR FILING DATE: 2000-06-02
: PRIOR APPLICATION NUMBER: PCT/US00/32678
: PRIOR FILING DATE: 2000-12-01
: NUMBER OF SEQ ID NOS: 38
: SEQ ID NO 20
: LENGTH: 310
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-033-301-20

Query Match      100.0%; Score 1637; DB 12; Length 310;
Best Local Similarity 100.0%; Pred. No. 2e-108;
Matches 310; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

Qy 181 PTDSRANRFRNSSFHLNSETGTLVFPAVHKDSDGQYCIASNDAGSARCEQEMEVYDL 240
    |||||||
Db 181 PTDSRANRFRNSSFHLNSETGTLVFPAVHKDSDGQYCIASNDAGSARCEQEMEVYDL 240
Qy 241 NIGGIGCVLVVAVLALITIGICCAIRRGYFINNKDGESEYKMPGKPDGYNVYRTDBEG 300
    |||||||
Db 241 NIGGIGCVLVVAVLALITIGICCAIRRGYFINNKDGESEYKMPGKPDGYNVYRTDBEG 300
Qy 301 DFRKKSFFVI 310
    |||||||
Db 301 DFRKKSFFVI 310

RESULT 15
US-10-033-326-20
: Sequence 20. Application US/10033326
: Patent No. US20020098507A1
: GENERAL INFORMATION:
: APPLICANT: Bolstein, David
: APPLICANT: Desnoyers, Luc
: APPLICANT: Ferrara, Napoleone
: APPLICANT: Fong, Sherman
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Goddard, Audrey
: APPLICANT: Gurney, Austin L.
: APPLICANT: Pan, James
: APPLICANT: Roy, Margaret Ann
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Watanabe, Collin K.
: APPLICANT: Wood, William I.
: TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
: TITLE OF INVENTION: Acids Encoding the Same
: FILE REFERENCE: P2930R1C8
: CURRENT APPLICATION NUMBER: US/10/033,326
: CURRENT FILING DATE: 2001-12-27
: PRIOR APPLICATION NUMBER: 60/095,325
: PRIOR FILING DATE: 1998-08-04
: PRIOR APPLICATION NUMBER: 60/112,851
: PRIOR FILING DATE: 1998-12-16
: PRIOR APPLICATION NUMBER: 60/113,145
: PRIOR FILING DATE: 1998-12-16
: PRIOR APPLICATION NUMBER: 60/113,511
: PRIOR FILING DATE: 1998-12-22
: PRIOR APPLICATION NUMBER: 60/115,558
: PRIOR FILING DATE: 1999-01-12
: PRIOR APPLICATION NUMBER: 60/115,565
: PRIOR FILING DATE: 1999-01-12
: PRIOR APPLICATION NUMBER: 60/119,341
: PRIOR FILING DATE: 1999-01-12
: PRIOR APPLICATION NUMBER: 60/115,733
: PRIOR FILING DATE: 1999-01-12
: PRIOR APPLICATION NUMBER: 60/119,965
: PRIOR FILING DATE: 1999-02-10
: PRIOR APPLICATION NUMBER: 60/119,537
: PRIOR FILING DATE: 1999-02-12
: PRIOR APPLICATION NUMBER: 60/162,506
: PRIOR FILING DATE: 1999-10-29
: PRIOR APPLICATION NUMBER: 60/170,262
: PRIOR FILING DATE: 1999-12-09
: PRIOR APPLICATION NUMBER: 60/187,202
: PRIOR FILING DATE: 2000-03-03
: PRIOR APPLICATION NUMBER: PCT/US99/12252
: PRIOR FILING DATE: 1999-06-02
: PRIOR APPLICATION NUMBER: PCT/US99/28634
: PRIOR FILING DATE: 1999-12-01
: PRIOR APPLICATION NUMBER: PCT/US99/28551
: PRIOR FILING DATE: 1999-12-02
: PRIOR APPLICATION NUMBER: PCT/US00/03565
: PRIOR FILING DATE: 2000-02-11
: PRIOR APPLICATION NUMBER: PCT/US00/04414
: PRIOR FILING DATE: 2000-02-22
: PRIOR APPLICATION NUMBER: PCT/US00/05841
```

; PRIOR FILING DATE: 2000 -03-02  
; PRIOR APPLICATION NUMBER: PCT/US00/08439  
; PRIOR FILING DATE: 2000-03-30  
; PRIOR APPLICATION NUMBER: PCT/US00/14941  
; PRIOR FILING DATE: 2000-05-30  
; PRIOR APPLICATION NUMBER: PCT/US00/15264  
; PRIOR FILING DATE: 2000-06-02  
; PRIOR APPLICATION NUMBER: PCT/US00/32678  
; PRIOR FILING DATE: 2000-12-01  
; NUMBER OF SEQ ID NOS: 38  
; SEQ ID NO 20  
; LENGTH: 310  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-033-326-20

Query Match 100.0%; Score 1637; DB 12; Length 310;  
Best Local Similarity 100.0%; Pred. No. 2e-108;  
Matches 310; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MALRRPRRLCARLPDFFLLLRGCLIGAVNLKSSNRTPVVQEFESVELSCIITDSOT 60  
|||||  
1 MALRRPRRLCARLPDFFLLLRGCLIGAVNLKSSNRTPVVQEFESVELSCIITDSOT 60  
OY 61 SDPRIEMKKIODEQTTVVFEDNKIOGDLGRAETILGKTSIKIWNVTRRDSALYRCEVAR 120  
|||||  
DB 61 SDPRIEMKKIODEQTTVVFEDNKIOGDLGRAETILGKTSIKIWNVTRRDSALYRCEVAR 120  
OY 121 NDRKEIDEIVIELTVQVKPVTVCVRAVPKAVPVGKMATLHCQSESGHPRPHYSWYRNDVPL 180  
|||||  
DB 121 NDRKEIDEIVIELTVQVKPVTVCVRAVPKAVPVGKMATLHCQSESGHPRPHYSWYRNDVPL 180  
OY 181 PTDSTRANPRFRNSSFHLNSETGLVFTAVHKDSDGOYCIASNDAGSARCEQEMEYVDL 240  
|||||  
DB 181 PTDSTRANPRFRNSSFHLNSETGLVFTAVHKDSDGOYCIASNDAGSARCEQEMEYVDL 240  
OY 241 NIGGIIGVLYVLAVALITLIGICAYRGRGYFINNKQDESYKKNPGKPDGVNVIKRTDEEG 300  
|||||  
DB 241 NIGGIIGVLYVLAVALITLIGICAYRGRGYFINNKQDESYKKNPGKPDGVNVIKRTDEEG 300  
OY 301 DFRHKSSFVI 310  
|||||  
DB 301 DFRHKSSFVI 310

Search completed: January 15, 2003, 17:30:38  
Job time : 9.5 secs

**THIS PAGE BLANK (USPTO)**

GenCore version 5.1.3  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: January 15, 2003, 17:22:22 ; Search time 13.5 Seconds

(without alignments)  
675.637 Million cell updates/sec

Title: US-09-524-531C-15

Perfect score: 1637

Sequence: 1 MALRRPRLRCARLPDPFL.....VNIKTDDEGDFRHKSFVI 310

Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

a1 number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Issued Patents-AA:\*  
1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PTQUS.COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/Backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	481	29.4	298	4	US-09-152-060-76 Sequence 76, Appl
2	461.5	28.2	312	4	US-09-254-465A-9 Sequence 9, Appl1
3	457.5	27.9	300	4	US-09-254-465A-10 Sequence 10, Appl
4	424	25.9	299	4	US-09-188-930-331 Sequence 331, App
5	424	25.9	299	4	US-09-462-270-2 Sequence 2, Appl1
6	424	25.9	299	4	US-09-254-465A-1 Sequence 1, Appl1
7	412	25.2	299	4	US-09-188-930-189 Sequence 189, App
8	392.5	24.0	263	4	US-09-254-465A-23 Sequence 23, Appl
9	392.5	24.0	263	4	US-09-254-465A-25 Sequence 25, Appl
10	288	17.6	205	4	US-09-462-270-4 Sequence 4, Appl1
11	228.5	14.0	319	1	US-08-597-495B-22 Sequence 22, Appl
12	228.5	14.0	319	4	US-09-068-051A-22 Sequence 22, Appl
13	228.5	14.0	319	4	US-09-336-536-67 Sequence 67, Appl
14	228.5	14.0	319	4	US-09-254-465A-6 Sequence 6, Appl1
15	217.5	13.3	270	4	US-09-254-465A-24 Sequence 24, Appl
16	217.5	13.3	273	4	US-09-254-465A-26 Sequence 26, Appl
17	215.5	13.2	318	4	US-09-068-051A-32 Sequence 32, Appl
18	197.5	11.1	387	4	US-09-175-928-2 Sequence 2, Appl1
19	173.5	10.6	370	4	US-09-336-536-38 Sequence 28, Appl
20	171.5	10.5	394	4	US-09-336-536-39 Sequence 39, Appl
21	169.5	10.4	390	2	US-08-979-424-1 Sequence 1, Appl1
22	167	10.2	365	4	US-09-336-536-40 Sequence 40, Appl
23	166.5	10.2	341	4	US-09-336-536-29 Sequence 29, Appl
24	162.5	9.9	246	4	US-09-336-536-31 Sequence 31, Appl
25	160.5	9.8	365	4	US-08-928-383B-2 Sequence 3, Appl1
26	159.5	9.7	365	2	US-08-979-424-3 Sequence 3, Appl1
27	159.5	9.7	365	4	US-09-272-496-2 Sequence 2, Appl1

28	157.5	9.6	1101	3	US-08-986-485-2 Sequence 2, Appl1
29	155.5	9.5	249	4	US-09-336-536-42 Sequence 42, Appl
30	155.5	9.5	612	2	US-08-752-307B-11 Sequence 11, Appl
31	155.5	9.5	612	4	US-09-707-802-11 Sequence 11, Appl
32	155.5	9.5	612	4	US-09-991-326-11 Sequence 11, Appl
33	155.5	9.5	1268	4	US-08-506-296B-28 Sequence 28, Appl
34	154	9.4	1501	2	US-08-447-464-3 Sequence 3, Appl1
35	154	9.4	1501	2	US-08-716-679-3 Sequence 3, Appl1
36	153	9.3	1651	4	US-09-540-245A-18 Sequence 18, Appl
37	152.5	9.3	869	1	US-08-374-834-16 Sequence 16, Appl
38	152.5	9.3	869	2	US-08-644-271-29 Sequence 29, Appl
39	152.5	9.3	869	4	US-09-077-955-33 Sequence 33, Appl
40	152	9.3	95	4	US-08-928-383B-18 Sequence 18, Appl
41	150.5	9.2	698	2	US-08-602-725-36 Sequence 36, Appl
42	150.5	9.2	734	2	US-08-389-459A-17 Sequence 17, Appl
43	150.5	9.2	734	3	US-08-987-867A-17 Sequence 17, Appl
44	147	9.0	365	4	US-08-928-383B-23 Sequence 23, Appl
45	147	9.0	365	4	US-08-928-383B-24 Sequence 24, Appl

#### ALIGNMENTS

RESULT 1  
US-09-152-060-76

Sequence 76, Application US/09152060  
Patent No. 6448230

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: 28 Human Secreted Proteins

FILE REFERENCE: P2003P1.US

CURRENT APPLICATION NUMBER: US/09/152,060

CURRENT FILING DATE: 1998-09-11

EARLIER APPLICATION NUMBER: PCT/US98/04858

EARLIER FILING DATE: 1998-03-12

EARLIER APPLICATION NUMBER: 60/040,762

EARLIER FILING DATE: 1997-03-14

EARLIER APPLICATION NUMBER: 60/040,710

EARLIER FILING DATE: 1997-03-14

EARLIER APPLICATION NUMBER: 60/050,934

EARLIER FILING DATE: 1997-05-30

EARLIER APPLICATION NUMBER: 60/048,100

EARLIER FILING DATE: 1997-05-30

EARLIER APPLICATION NUMBER: 60/048,357

EARLIER FILING DATE: 1997-05-30

EARLIER APPLICATION NUMBER: 60/048,189

EARLIER FILING DATE: 1997-05-30

EARLIER APPLICATION NUMBER: 60/057,765

EARLIER FILING DATE: 1997-09-05

EARLIER APPLICATION NUMBER: 60/048,970

EARLIER FILING DATE: 1997-06-06

EARLIER APPLICATION NUMBER: 60/068,368

EARLIER FILING DATE: 1997-12-19

NUMBER OF SEQ ID NOS: 118

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 76

LENGTH: 298

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SITE

LOCATION: (42)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

FEATURE:

NAME/KEY: SITE

LOCATION: (58)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-09-152-060-76

Query Match 29.4%; Score 481; DB 4; Length 298;

Best Local Similarity 35.8%; Pred. No. 4.3e-41;

Matches 114; Conservative 60; Mismatches 116; Indels 28; Gaps 10;





```

: APPLICANT: Watson, James D.
: APPLICANT: Strachan, Lorna
: APPLICANT: Sleeman, Matthew
: APPLICANT: Onrust, Rene
: APPLICANT: Muirson, James Greg
: TITLE OF INVENTION: Compositions Isolated From Skin Cells
: TITLE OF INVENTION: and Methods For Their Use
: FILE REFERENCE: 11000.1011c1
: CURRENT APPLICATION NUMBER: US/09/188,930A
: CURRENT FILING DATE: 1998-11-09
: NUMBER OF SEQ ID NOS: 348
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 331
: LENGTH: 299
: TYPE: PRF
: ORGANISM: Human
: US-09-188-930-331

```

Query Match	25.98;	Score 424;	DB 4;	Length 299;
-------------	--------	------------	-------	-------------

Matches 101; Conservative 48; Mismatches 137; Indels 22; Gaps 7;

8 RLRICARLPDFLLLFRCGLIGAVNLKSNRTPVQGEFSEVELSCIITDSQTSDBRIEM 67  
| | : : : : :  
9 RKLLCL----FLIALILCSLALGSVTYVSHSEFEVRIPENNRYKLSCAY--SGSSSRVTEM 62

QY 68 KKIDDEQTTFVFFDNKIQGDLAGRAEILGTSLKINVTTRDSALYKEVARNDRKEID 12

Dd 63 KFDGDTRLVCYNKKITASYEDRVTFLLPTGITFRSVTREDTGTYTCMVSEEGNSYC 12

QY 128 EIVIELTVQVKPVTVCVRPKAVPVGKMATLHCQEESEGHPRHYSWYRNDVPLPTDSRAN 18  
 1: : : | | | | : : : : | | | | : : | : : : : : : : :  
 Db 121 EVKKKLIVLPSPSKPTVINIPSSATIGNRAVLTCSEDDGSPSEYTWERDGIWMPNPKST 18

Qy 188 PRFNSSPHLNSETGLVFTAHHKDDSGOYCIASNDAGSARCEEQ-EMEVDNLIGGII 24  
| ||| : | | | | : | : | : | : | : | : | : | : | : | : | :  
Db 181 RAENSSSYLVNPTTGLVEDPI:SASDTGEFSCFEARGCYGTDMTSNAVRBAEAFRRVCIV 24  
| | | | | | | | | | | | | | | | | | | | | | |

```

0Y      247 GGVLVLAVALITLIGICCAVRRGYFINNKQDGES---YKNPGKPDGVNYIRIDEEDGF 30
      ||| : : : || : || : | : | : |
241 AAVVVMITICTVRECTVAVSCEHEDDMMVCSCSVTVTCDS - - - - - AAGGAG 30

```

QY	303	RHKSSFVI	310
	:	:	:

## RESULT 5

Sequence 2, Application US/09462270  
Patent No. 6358707  
GENERAL INFORMATION.

```

: APPLICANT: SmithKline Beecham Corporation
: TITLE OF INVENTION: Human F11 Antigen: A Cell Surface
: TITLE OF INVENTION: Receptor Involved in Platelet Aggregation
: PRT REFERENCE: CH-201509C

```

; CURRENT APPLICATION NUMBER: US/09/452,270  
 ;  
 ; CURRENT FILING DATE: 2000-01-05  
 ;  
 ; PRIOR APPLICATION NUMBER: 60/052,186

```

; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2

```

```

; TYPE: PRT
;
; ORGANISM: HOMO SAPIENS
US-09-462-270-2

```

Query Match	25.98;	Score 424;	DB 4;	Length 299;
Best Local Similarity	32.88;	Pred. NO. 2.9e-35;		
Matches 101; Conservative	48;	Mismatches 137;	Totals	32;

Qy 8 RLRLCARLPDFELLFGLLFGCLGAVNLKSNRTPVQGFESVELSCIITDSQTSDPRIEM 67

Db 9 KRLICL-----FILAILICSLALGSLVYHSSSEPEVRIPENNRVKLSLCAY--SGFSFSPREWM 62

QY 68 KRIODEOTTYVFEDNKIQDGLAGRAEILGKTSLKIMWYTRDASALYRCEVVARNDREID 127

Db 63 KFDGDFTTRLCYCNKKITASYEDRYTEL-PTGIFNFKSVYTRDGTGYTC-MVSEEGGNSYC 120

QY 128 EIYIELTVQVQRYPRVCVRPRAYAVVGKMATLHCQESBECHPRPHYSWIRNDYPLPLTDSKAN 187

Db 121 EVAKKLIVLPPSKRPYVNIIPSSARTIGNRAVLTGCSBEDQSPSEYTWTEFDGIVMPTNPKST 180

QY 188 PRFRNSFHLNSESGTIVFTVAHVKDCQGYCIASNDAGSARCEEQ-EMEYVDNIGGII 246

Db 181 RAPSNSVVLNPTGELVFPDPLASDYGIEYCEARNGCTGPTMSNAEMEAVERNVGIY 244

QY 247 GGVLVVLAVLALITLGLCCAYRCGYFINNKODGES---YKNPKPDGVNVIIRTDDEGDF 303

Db 241 AAVLVLTLLILGLIVGFIMFAYRSGHFDRTKGTSSKKVIYQSPS-----ARSEGEF 291

QY 303 RHKSFVI 310

Db 292 KQTSSEFLV 299

RESULT 6  
US-09-254-465A-1

```

: sequence 1 application 03/03204400
: Patent NO. 6410708
: GENERAL INFORMATION:
: APPLICANT: Genentech, Inc.

```

```

: APPLICANT: Askenazi, Avi J.
:
: APPLICANT: Fong, Sherman
:
: APPLICANT: Goddard, Audrey
:
: APPLICANT: Gurnav, Austin L.

```

: APPLICANT: Napier, Mary A.  
 : APPLICANT: Tumas, Daniel  
 : APPLICANT: Wood, William I.  
 : STATE OF VERMONT, CONTINUING THE HEARING FOR THE EIGHTH

```

; TITLE OF INVENTION:  OF DISEASES CHARACTERIZED BY A33- RELATED ANTIGENS
;
; FILE REFERENCE:  P1216r1(US)
;
; CURRENT APPLICATION NUMBER:  US/09/254,465A
;

```

: PRIOR APPLICATION NUMBER: PCT/US98/24855  
 :  
 : PRIOR FILING DATE: 1998-11-20  
 :  
 : PRIOR APPLICATION NUMBER: US 60/066,364

PRIOR FILING DATE: 1997-11-21  
 PRIOR APPLICATION NUMBER: US 60/078,936  
 PRIOR FILING DATE: 1998-03-20  
 PRIOR APPLICATION NUMBER: DQT/US68/104137

```
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ_ID NOS: 30
; SEQ_ID NO 1
; SEQ ID NO 2
```

```

; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-254-465A-1

```

Query Match	25.9%	Score 424;	DB 4;	Length 299;
Best Local Similarity	32.8%;	Pred. NO. 2.9e-35;		-
Matches 101: Conservative	48;	Mismatches 137;	Indels	22; Gaps

```

OY      8 RLCRCARLPDFLLLFRCGLGAVNLKSSNRPVVOEFESVELSCIITDSOTSDPRIEM 67
      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
OY      9 RLCRCARLPDFLLLFRCGLGAVNLKSSNRPVVOEFESVELSCIITDSOTSDPRIEM 67
      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

```

68 KKIODEQTTVFFDNKIQGDLAIGRAELIKGTSIKIWNTPRDSALYRCEVWARNDREID 127

Qy 128 EIVIELTVOVKPVTVPVCVRVPKAVPVGKMATLHCOESEGHPRPHYSWYRNDVPLPTDSRAN 187

```

QY 188 PRFRNSPHLSEGTIVETAVHHRKDDSGOYYCIASNDAGSARCEQ-EMEYVDLNICII 246
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 181 RAFNSNSTVLPPTTGELVFDPLASDGTGEISCEARNIGTMTSNAYRMEAEVENVAVIV 240
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 247 GGVLTVLAVLALLITLIGICCAVRGVTFINNKODGES---YKNPGKPDGVNVIIRTDEGDF 302
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 241 AAVLTVLTLILVGLIFWAFSRGHFDRTKKGJTSKRVYIISQPS-----ARSGEYF 291
    | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 303 RHKSFEVI 310
    : | | | |
Db 292 KQTSSEIV 299

```

```

RESULT 7
US-09-188-930-189
: Sequence: 189, Application US/09188930A
: Patent No. 6150502
: GENERAL INFORMATION:
: APPLICANT: Watson, James D.
: APPLICANT: Strachan, Lorna
: APPLICANT: Sleeman, Matthew
: APPLICANT: Orntust, Rene
: APPLICANT: Murison, James Greg
: TITLE OF INVENTION: Compositions Isolated From Skin Cells
: TITLE OF INVENTION: and Methods For Their Use
: FILE REFERENCE: 11000.101c1
: CURRENT APPLICATION NUMBER: US/09/188,930A
: CURRENT FILING DATE: 1998-11-09
: NUMBER OF SEQ ID NOS: 348
: SOFTWARE: FASTSEQ for Windows Version 3.0
: SEQ ID NO 189
: LENGTH: 299
: TYPE: PRT
: ORGANISM: Human
: FEATURE:
: NAME/KEY: UNSURE
: LOCATION: (247)...(247)
: NAME/KEY: UNSURE
: LOCATION: (285)...(285)
US-09-188-930-189

```

Query Match	25.28	Score 412	DB 4	Length 299
Best Local Similarity	32.18	Pred. No. 4.9e-34		
Matches 99	Conservative 48	Mismatches 139	Indels 22	Gaps 7

OY		8	R L R C A R P D F E L L I F G C I G A V N K S M R T P V O E F E E V E S C I T T S Q U T D P R I E W	67
P		9	K R L I C L ----- P L A I L I C S L A G S V Y H S S P P E V A R I E N N P V K I S C A Z -- S G E S P R E W	62
OY		68	K K I D E Q T T Y V F E F D N K I O G D L A G R A E I L K T S I K I M W T R R D S A L Y R C E V A A R N D R E I D	127
D b		63	K F D O G D T T R L V C Y N N K I T A S Y E D R V T F L - P G I N F K S V T R E D T G T Y C - M Y S E G S G S Y G	120
OY		128	E I V I E L I Y O X V P V I P V C V K P A V P V G K M A T L H C O E S E C H P R P H Y S W T R N D V L P L T D S R A N	187
D b		121	E V K V L I L V P P S K P T V A I P S S A T I G N N A V L T C E O D G S P S E Y T W E K D G I V M P T N K P S T	180
OY		188	P R F R S S H L M S E R G T L Y F T A V H N D D S Q O Y C I A S N D A G S R C E Q _ E M E Y I D N I G I T	246
D b		181	R A F S N S Y V L A P T T G E I F E D L S A D S P G E S C E A R N G X G P M T S N A V M E A V E R N V A I V	240
OY		247	G G V L V L A V L A L L I T L G I C C A R B A Y E I N N K O D G B S ---- Y K N P K P G V A N T I R D E E G D F	302
D b		241	A A V L T X I L L I G I L V G A I F A S R G H F D R T K G T S S K V I Y S O P S ----- A R S E X E F	291
OY		303	R H K S E F V I    310	
D b		292	K O T S S F V    299	

```

: Patent No.6410708
: GENERAL INFORMATION:
: APPLICANT: Genentech, Inc.
: APPLICANT: Ashkenazi, Avi J.
: APPLICANT: Fong, Sherman
: APPLICANT: Goddard, Audrey
: APPLICANT: Gurney, Austin L.
: APPLICANT: Napier, Mary A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Wood, William I.
: TITLE OF INVENTION: COMPOUNDS, COMPOSITIONS AND METHODS FOR THE TREATMENT
: OF INFECTIONS OF DISEASES CHARACTERIZED BY A33- RELATED ANTIGENS
: FILE REFERENCE: PL216R1(US)
: PRIOR APPLICATION NUMBER: US/09/254,465A
: CURRENT FILING DATE: 1999-03-05
: PRIOR APPLICATION NUMBER: PCT/US98/24855
: PRIOR FILING DATE: 1998-11-20
: PRIOR APPLICATION NUMBER: US 60/066,364
: PRIOR FILING DATE: 1997-11-21
: PRIOR APPLICATION NUMBER: US 60/078,936
: PRIOR FILING DATE: 1998-03-20
: PRIOR APPLICATION NUMBER: PCT/US98/19437
: PRIOR FILING DATE: 1998-09-17
: NUMBER OF SEQ ID NOS: 30
: SEQ ID NO 23
: LENGTH: 260
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-254-465A-23

```

Query Match	24.0%	Score	392.5	DB	4	Length	260
Best Local Similarity	34.4%	Pred	No. 4e-32				
Matches	88	Conservative	43	Mismatches	120	Indels	5
						Gaps	4

Qy	29	IGAVLKSSNPTPVAOEESVLSCTITDSOTSPRIEMKKIOEOITYFEFDKIGDGL	88
Db	3	LGSTVYHSSPEFVRI PENNPVKLSCAV--SEFSSPRVEMKFDGSDTTRLCYNKKTITASY	60
Qy	89	AGRAEILIGKTSLKIMNVTIRDSALRYCEVVARNDKKEIDELIVLETVQVAKPVTPVCRVPK	148
Db	61	EDRYVFL-PTGITFKSPYREDTGTTC--MVSEEGNSGYEKVKVLIYLVPPSKPTVNIPS	118
Qy	149	AVPVGKMATLTICOESGHPRHYSMYRNDVPLPTDPSRANPRFRSSPHLMSGTIVETA	208
Db	119	SATIGNRAVLVLCSEDDGSPSEIYTWKDGVIAPLPINPKSTAFNSSTVYLANPTTGELVFDP	178
Qy	209	VHKDDSGOYYCIASNDAGSARCEBO--EMEYVDLIGGIIIGSVLVYLVALLTLTGICAC	267
Db	179	LSASDTGEYSCSEALNGCYTPMTSNAVREMAEVARNVGIVAAVLVTLTLLIGLIVGFIWAF	238
Qy	268	RRGVFINNKODESYK 283	
Db	239	SRGHFDRTKKGTSSKK 254	

RESULT 8  
US-09-254-465A-23  
; Sequence 23, Application US/09254465A

RESULT 9  
 US-09-254-465A-25  
 : Sequence 25, Application US/09254465A  
 : Patent No. 6410708  
 :  
 : GENERAL INFORMATION:  
 :  
 : APPLICANT: Genentech, Inc.  
 : APPLICANT: Ashkenazi, Avi J.  
 : APPLICANT: Fong, Sherman  
 : APPLICANT: Goddard, Audrey  
 : APPLICANT: Gurney, Austin L.  
 : APPLICANT: Napier, Mary A.  
 : APPLICANT: Tunas, Daniel  
 : APPLICANT: Wood, William I.  
 :  
 : TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT  
 : OF INVENTION: OF DISEASES CHARACTERIZED BY A33- RELATED ANTIGENS  
 : FILE REFERENCE: P1216R1(US)  
 :  
 : CURRENT APPLICATION NUMBER: US/09/254,465A  
 :  
 : CURRENT FILING DATE: 1999-03-05





```
; APPLICANT: Napier, Mary A.
; APPLICANT: Tunas, Daniel
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: COMPOUNDS, COMPOSITIONS AND METHODS FOR THE TREATMENT
; TITLE OF INVENTION: OF DISEASES CHARACTERIZED BY A33- RELATED ANTIGENS
; FILE REFERENCE: P1216R1(US)
; CURRENT APPLICATION NUMBER: US/09/254,465A
; CURRENT FILING DATE: 1999-03-05
; PRIOR APPLICATION NUMBER: PCT/US98/24855
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: US 60/066,364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: US 60/078,936
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: PCT/US98/19437
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 30
; SEQ ID NO 6
; LENGTH: 319
; TYPE: PRT
; ORGANISM: Homo sapiens
; 09-254-465A-6

Query Match          14.0%; Score 228.5; DB 4; Length 319;
Best Local Similarity 25.7%; Pred. No. 3.2e-15;
Matches 79; Conservative 49; Mismatches 128; Indels 51; Gaps 14;

QY 29 ICAVNLKSSNRTPVOEFESVELCII-IDSGTSDPRIEMKKIODEQTTVF--FDNK- 83
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 19 VDAISVETPODVLRAQSGKSVTLPCYHTSTSSREGLIQMDKLLHFTERVVIMPSNKN 78
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 84 -IOGDL-----AGRAELIGKTSLKIMWYTRDSALYCEVVARNDREIDIVIELTY 135
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 79 YHIGELYKKNRVKSISNNAE-QSDASITITDQITMADNGTECSVLSMSDLEGNTRSRVRLV 137
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 136 QVKEPVTPVCRVPAVPGKMATLHCQESGCHPRPHYSWYRNDV-----PLPTDSRANPRF 190
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 138 LVPPSKPECGIEGETIIGNNIQLTQSKSGSPTPQYSMKRYNLTINQEOPLAQASQGP-- 195
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 191 RNSFHLNSETGLVFTAVHKDDSGQYCIASNDAGSARCE-BOEMEYVDLNTG---GII 246
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 196 -----VSLKNISTDTSGYICTSSNEEGTFCNITVAVRSPSMNVALYVGIA 242
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 247 GGLVVLAVLALITLIGICAYRGRFYIN--NKODG-----ESYKNPKGPDGVNFI--RTDE 298
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 243 VGVAALIIIGIIYYCCCC---RGKDDNTEDKEDARNREAYEEP--PEQLRELSRERE 297
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

299 EGDFFRHK 305
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
298 EDDYRQEE 304
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 15
US-09-254-465A-24
; Sequence 24, Application US/09254465A
; Patent No. 6410708
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Fong, Sherman
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Napier, Mary A.
; APPLICANT: Tunas, Daniel
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: COMPOUNDS, COMPOSITIONS AND METHODS FOR THE TREATMENT
; TITLE OF INVENTION: OF DISEASES CHARACTERIZED BY A33- RELATED ANTIGENS
; FILE REFERENCE: P1216R1(US)
; CURRENT APPLICATION NUMBER: US/09/254,465A
; CURRENT FILING DATE: 1999-03-05
; PRIOR APPLICATION NUMBER: PCT/US98/24855
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: US 60/066,364
```

```
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: US 60/078,936
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: PCT/US98/19437
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 30
; SEQ ID NO 24
; LENGTH: 270
; TYPE: PRT
; ORGANISM: Homo sapiens
; 09-254-465A-24

Query Match          13.3%; Score 217.5; DB 4; Length 270;
Best Local Similarity 26.0%; Pred. No. 3.3e-14;
Matches 74; Conservative 43; Mismatches 121; Indels 47; Gaps 12;

QY 29 ICAVNLKSSNRTPVOEFESVELCII-IDSGTSDPRIEMKKIODEQTTVF--FDNK- 83
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 5 VDAISVETPODVLRAQSGKSVTLPCYHTSTSSREGLIQMDKLLHFTERVVIMPSNKN 64
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 84 -IOGDL-----AGRAELIGKTSLKIMWYTRDSALYCEVVARNDREIDIVIELTY 135
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 65 YHIGELYKKNRVKSISNNAE-QSDASITITDQITMADNGTECSVLSMSDLEGNTRSRVRLV 123
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 136 QVKEPVTPVCRVPAVPGKMATLHCQESGCHPRPHYSWYRNDV-----PLPTDSRANPRF 190
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 124 LVPPSKPECGIEGETIIGNNIQLTQSKSGSPTPQYSMKRYNLTINQEOPLAQASQGP-- 181
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 191 RNSFHLNSETGLVFTAVHKDDSGQYCIASNDAGSARCE-BOEMEYVDLNTG---GII 246
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 182 -----VSLKNISTDTSGYICTSSNEEGTFCNITVAVRSPSMNVALYVGIA 228
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 247 GGLVVLAVLALITLIGICAYRGRFYIN--NKODG-----ESYKNP 285
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 229 VGVAALIIIGIIYYCCCC---RGKDDNTEDKEDARNREAYEEP 270
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

Search completed: January 15, 2003, 17:25:32
Job time : 14.5 secs
```

**THIS PAGE BLANK (USPTO)**